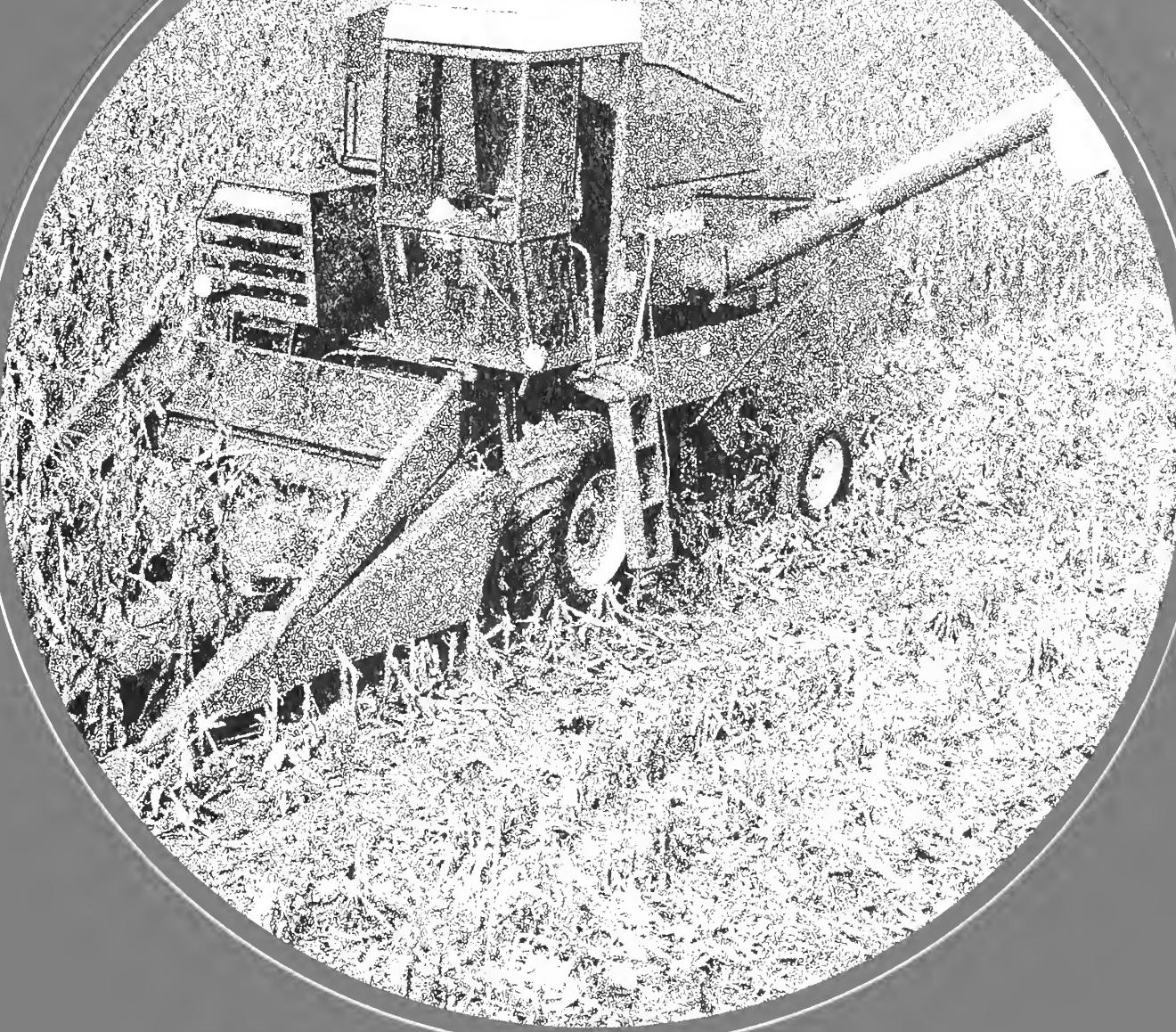


630.7
IL6c
no.1089

**University of
Illinois Library
at Urbana-Champaign
ACES**

CIRCULATING COPY
AGRICULTURE LIBRARY



1973
Performance of Commercial
Corn Hybrids in Illinois

Circular 1089/University of Illinois at Urbana-Champaign
College of Agriculture/Cooperative Extension Service

CONTENTS

PLAN OF THE TESTS	1
MEASURING PERFORMANCE	1
GROWING CONDITIONS AT 1973 TEST FIELDS.....	2
SOURCES OF SEED.....	4
RESULTS OF VARIETY TESTS	
Extreme Northern Illinois: Woodstock.....	5
Northern Illinois: DeKalb.....	6
East North-Central Illinois: Elwood.....	8
West North-Central Illinois: Galesburg.....	10
West-Central Illinois: Carthage.....	13
Central Illinois: Hartsburg.....	14
East-Central Illinois: Urbana.....	16
West South-Central Illinois: Greenfield.....	20
Southern Illinois: Brownstown.....	22
Extreme Southern Illinois Upland: Carbondale.....	24
Extreme Southern Illinois Bottomland: Dixon Springs.....	26

This circular was prepared by G. L. Ross, Assistant Agronomist, J. F. Duncan, Assistant Agronomist, and D. W. Graffis, Professor of Forage Crops Extension. Data processing was done by the Statistical Laboratory of the Agronomy Department. S. G. Carmer, Professor of Biometry, supervised the analysis and preparation of the data.

Urbana, Illinois

December, 1973

Issued in furtherance of Cooperative Extension Work, Acts of May 8 and June 30, 1914, in cooperation with the U.S. Department of Agriculture. JOHN B. CLAAR, Director, Cooperative Extension Service, University of Illinois at Urbana-Champaign.

The Illinois Cooperative Extension Service provides equal opportunities in programs and employment.

PERFORMANCE OF COMMERCIAL CORN HYBRIDS IN ILLINOIS, 1973

(With 1971 and 1972 Listings)

CORN YIELDS IN ILLINOIS IN 1973 are estimated to average 105 bushels per acre. This is a decrease from the 1972 high of 110 bushels. Acreage planted increased to 9,580,000 acres. Thus the total production of corn in Illinois was 1.005 billion bushels, slightly more than in 1972 but below the 1971 production. Due to a wet fall in 1972, very little fall plowing and fertilizer spreading was completed during the winter. A wet March and April kept many farmers out of the fields until almost May. By the first week in May, only about 5 percent of the corn acreage had been planted. Frequent rains in May delayed planting of many acres until June and some of those that were planted in wet ground were slow in coming up and uneven in emergence.

Heavy localized rainfall in June resulted in flooding numerous areas, some more than once. But rainfall was adequate to provide a chance for a good corn crop. The temperature was high in June and July and the rainfall was erratic. August was moderate and rainfall was slight. It appeared that the crops were not hurt by drouth but still needed time for proper maturing. September was warm and the late-planted crops were helped by the absence of frost. October was dry and warm with only a few days with gusty winds. Stalk rot was not as noticeable as in 1972. There was little loss due to stalk rot because the dry harvest season allowed rapid, timely harvesting and no severe winds developed to lodge the infected corn. Harvest was virtually completed by November 15 throughout the state. There was an unusually large amount of fall plowing done throughout Illinois.

Plan of the Tests

Selection of entries. Each year all producers of hybrid seed corn in Illinois and surrounding states are invited to enter hybrids in the Illinois performance trials. This testing program is financed by a fee of 30 dollars for each hybrid at each location entered. Most of these hybrids are commercially available, although a few experimental hybrids are also entered. In 1973, a survey of popular hybrids was conducted among county extension advisers and the ten most popular hybrids at each location were added to the trials. These hybrids are marked by an asterisk (*) in the tables.

Number and location of tests. In 1973, 20 major tests were conducted at 11 locations in the state (see map on page 2). These sites represent major soil and climatic areas of the state.

Hybrids. Over 400 hybrids from 58 companies were tested in 1973. Seed for the trials was obtained by the University of Illinois staff from warehouse stocks whenever possible.

Field-plot design. Three or four replications of lattice design were used, thus assuring each entry an equal chance to show its merits.

Planting methods. All trials were planted by hand. All test fields except those at DeKalb, Carthage, Urbana, and Dixon Springs were part of larger corn-fields and thus were bordered by other corn. Each hybrid plot was overplanted 30 percent and later thinned to desired stands. Each plot was four rows wide and 28 feet long. The center two rows of each plot were harvested to determine yields.

Fertilization. All test fields were at a high level of fertility. Additional fertilizer was plowed down or side-dressed as needed to assure top yields.

Method of harvest. All plots were harvested with a self-propelled combine. Shelled corn from each plot was collected, weighed, and tested for moisture content. No allowance was made for corn that might have been lost in harvest.

Measuring Performance

Occasionally hybrids too late in maturity for a given area are entered in these tests. Such hybrids are often high in yield but their moisture content may make them poor choices for farm use unless proper drying or storage facilities are available.

Yield of grain. Shelled-corn weight and moisture percentage were measured for each plot of a hybrid and converted to bushels per acre of No. 2 shelled corn (15.5 percent moisture). An electronic moisture tester was used for all moisture readings.

Erect plants. The number of erect plants in each plot of a hybrid was counted at harvest time. Any plant leaning at an angle of more than 45 degrees or broken below the ear was considered lodged. Plants broken above the ear were considered erect.

Stand. In late June, plants in all plots on all fields were counted and the percent of stand was computed by comparing this number with the number of kernels planted. Plots with over 100-percent stand were thinned at this time. Stand differences may be caused by failure to germinate or by disease, insect injury, cultivation, or animal pest damage.

Plants per acre. Plants per acre were calculated

for each plot by using the percent stand obtained from plant counts. Differences in plants per acre and differences in percent stand are caused by the same factors.

Comparing hybrids. In any test of plant material, it is impossible to measure performance exactly. Samples may vary, soils may not be uniform, and many other conditions may produce variability. *Results of repeated tests, like those reported in this circular, are more reliable than those of a single year or a single strip test.* In general, a yield difference of a few bushels per acre is not significant in these tests. When one hybrid consistently outyields another at several test locations and over several years of testing, the chances are good that this difference is *real* and should be a consideration in choosing a hybrid. But yield alone is not enough. Consider also the grain moisture content, percentage of erect plants, percent stand, or plants per acre in comparing yields.

As an aid in comparing hybrids, certain statistical tests have been devised. D. B. Duncan¹ has outlined an approach to the problem of multiple comparisons when only two means are compared among a set of hybrid means. Certain factors not accounted for in previous tests of this type are included in Bayes L.S.D. This

¹ Duncan, D. B., "A Bayesian Approach to Multiple Comparisons," *Technometrics*, 7:171-222, 1965.

test is applied in the same manner as previous statistical tests used in these circulars. When two hybrids in a trial are compared, and the difference between them is greater than the tabulated L.S.D. value, then the hybrids are said to be "significantly different."

Growing Conditions at 1973 Test Fields

Extreme Northern Illinois: Woodstock. This test field represents the cool, humid area in northeastern Illinois. The test plot is on land operated by the Hughes Farms and Seed Company, Robert and Earl Hughes, Jr., cooperators. The soil is Proctor silt loam, a fertile, deep, well-drained, dark prairie soil. Very wet and cool weather in April and May slowed field work, and planting at this location was delayed until June. The shortened growing season resulted in smaller yields than expected.

Northern Illinois: DeKalb. This test is on the University of Illinois' Northern Illinois Research Center south of DeKalb. R. E. Bell is the field manager and D. L. Mulvaney is the area agronomist in charge of research at the Center. The soil is Flanagan silt loam, a dark-brown, adequately drained soil of high fertility. The growing season started off wet and cool but a few days without rain in May allowed many acres

Table 1.—General Information: Illinois Hybrid Corn Tests, 1973

Field, county, location, and number of entries	Date planted	Date harvested	Aver. acre yield	Mois-ture in grain	Erect plants	Average popula-tion
			bu.	perct.	perct.	
40-inch rows, 20,000 plants per acre						
Woodstock: McHenry, Ex. N, 76.....	June 1	Nov. 5	84	23.9	97	15,193
38-inch rows, 24,000 plants per acre						
Hartsburg: Logan, C, 111.....	May 21	Oct. 29-30	(112)	19.2	94	18,303
30-inch rows, 18,000 plants per acre						
Brownstown: Fayette, S, 57.....	May 22	Oct. 25	105	18.1	98	17,141
Carbondale: Jackson, Ex. S, 43.....	May 18	Oct. 1-2	31	24.3	99	16,873
30-inch rows, 20,000 plants per acre						
DeKalb: DeKalb, N, 48.....	May 19	Nov. 6	112	20.5	94	17,098
Galesburg: Knox, WNC, 42.....	May 15	Oct. 15	130	23.3	93	19,321
Urbana: Champaign, EC, 64.....	May 11	Oct. 24	180	20.5	99	17,918
Greenfield: Macoupin, WSC, 52.....	May 14	Oct. 18	87	21.5	97	18,160
Dixon Springs: Pope, Ex. S, 44.....	June 26	Nov. 13	107	30.5	86	19,453
30-inch rows, 22,000 plants per acre						
Brownstown: Fayette, S, 81.....	May 22	Oct. 25	114	18.9	99	21,151
Carbondale: Jackson, Ex. S, 58.....	May 18	Oct. 1-2	47	24.6	99	20,977
30-inch rows, 24,000 plants per acre						
DeKalb: DeKalb, N, 116.....	May 19	Nov. 6	114	22.0	94	21,383
Galesburg: Knox, WNC, 114.....	May 15	Oct. 15	134	23.1	90	22,754
Elwood: Will, ENC, 84.....	May 16	Oct. 9	84	27.4	92	22,360
Carthage: Hancock, WC, 70.....	May 23	Oct. 1	96	21.1	89	22,217
Urbana: Champaign, EC, 146.....	May 10	Oct. 23	(175)	20.8	97	22,381
Urbana: Champaign, EC, 16, o-2....	May 10	Oct. 23	(139)	18.2	100	19,705
Greenfield: Macoupin, WSC, 78.....	May 14	Oct. 18	113	20.7	94	21,901
Dixon Springs: Pope, Ex. S, 70.....	June 26	Nov. 13	109	29.5	81	22,353



of corn to be planted. Heavy rains in late May drowned out many low areas in the fields and they stayed wet until late June. June, July, and August had moderate rainfall and excellent growing conditions.

West North-Central Illinois: Galesburg. This test is located on the Hawkinson Farms, operated by Harold and Dave Hawkinson. The test field was a highly fertile, heavy-textured, Sable silty clay loam. Planting was timely as rainfall during May was below normal in the area. Growing conditions in June and July were ideal while August was low in rainfall and yields were less than anticipated. The corn matured earlier than usual and harvest was completed before lodging was severe.

East North-Central Illinois: Elwood. This test is on the Northeastern Illinois Agronomy Research Center in Will County. Dale Harshbarger is field manager and D. L. Mulvaney is in charge of research at the Center. The test is on an area of Drummer silty clay loam. Growing conditions started out excellent with timely planting and sufficient rainfall in May and June. However, the area received virtually no rain in July and August. Harvesting was started early because stalk rot and corn borer damage was causing noticeable stalk breakage and lodging.

West-Central Illinois: Carthage. This test is located on the Illinois Agronomy Research Center at Carthage in Hancock County. The soil is an Ipava silt loam. Planting was in late May due to wet soils in April and May. June rainfall was low and there was almost no rainfall in July. August rainfall was low and yields were about one-half of what was expected.

Central Illinois: Hartsburg. This test is located in Logan County on land adjoining the Hartsburg Agronomy Research field. The plot is on land operated by Lee Newby. The soil is Hartsburg silty loam. The field had almost ideal growing conditions until mid-August when a high wind caused severe lodging

throughout most of the area. Yields were very reflective of the severe lodging.

East-Central Illinois: Urbana. This test is located on the Agronomy South Farm of the University of Illinois at Urbana-Champaign in Champaign County. M. G. Oldham is the farm manager. Fields on which the test plots were grown are level, heavy-textured Drummer silty clay loam. Growing conditions at this location were ideal this year with over 8 inches of rain during August which boosted yields far above normal.

West South-Central Illinois: Greenfield. This test represents the moderately poorly drained soils of western south-central Illinois. The soil is Herrick silt loam. The plot is located between Palmyra and Greenfield in Macoupin County on a farm operated by C. H. Ross, Jr. The field was in an area that was very flat and poorly drained. Heavy rains in late May and early June stunted the corn and low rainfall in August prevented a normal yield.

Southern Illinois: Brownstown. This test is located at the University of Illinois' Brownstown Experimental Field in Fayette County. D. E. Millis is the area agronomist in charge of research at the field. The soil is Cisne silt loam, a poorly drained, gray prairie soil with a well-developed claypan. Growing conditions were excellent throughout the year and harvesting was completed before stalk breakage was severe.

Extreme Southern Illinois Bottomland: Dixon Springs: This test is located at the University's Dixon Springs Agricultural Center in Pope County with George McKibben cooperating. The test plot was located on Sharon silt loam, a light-colored, moderately well-drained, medium-textured bottomland soil. A planting was made on May 25. A few days later the plot was under 10 feet of water and it was not until June 26 that a successful planting was made. The growing season was short. A late harvest date allowed the corn to mature and dry adequately in the field. Lodging was severe on a number of varieties while not noticeable on others.

Extreme Southern Illinois Upland: Carbondale. The test at Carbondale represents the typical upland area in southern Illinois. The test is located on a field adjoining the Southern Illinois University Agronomy Research Center where Roy Browning and George Kapusta are cooperating agronomists. The soil type is Weir silt loam which is a shallow silty loam over claypan. Growing conditions were favorable up until mid-July. Then it was dry until late August resulting in very low yields of corn.

Table 2.—Growing Season Rainfall

Field	April	May	June	July	August
inches					
Woodstock.....	5.07	5.83	4.48	3.36	1.44
DeKalb.....	3.59	5.78	2.90	3.72	1.20
Galesburg.....	5.18	2.98	3.36	4.23	1.76
Elwood.....	4.51	5.20	3.30	1.20	1.10
Carthage.....	3.79	3.30	2.08	.51	2.04
Urbana.....	4.85	3.35	2.99	8.15	3.09
Greenfield.....	3.81	4.38	8.56	2.60	1.85
Brownstown.....	3.37	3.58	7.30	3.91	2.28
Carbondale.....	6.74	6.68	4.06	3.37	2.18
Dixon Springs....	5.44	3.40	2.20	5.30	1.72
Hartsburg.....	6.81	3.96	6.35	4.11	5.00

Sources of Seed

ACCO Seed.....	Anderson-Clayton.....	Box 9, Belmond, IA 50421
Anderson Hybrids.....	The Anderson's.....	P.O. Box 119, Maumee, OH 43537
Asgrow Hybrids.....	Asgrow Seed Co.....	Oxford, IN 47971
Bo-Jac Hybrids.....	Bo-Jac Hybrid Corn Co.....	Mount Pulaski, IL 62548
Cargill Seed.....	Cargill Seeds.....	Minneapolis, MN 55413
C.I. Seed.....	Central Illinois Seed Co.....	Springfield, IL 62707
Coker Hybrids.....	Coker's Pedigreed Seed Co.....	Hartsville, SC 29550
Coop Hybrids.....	Farmland Industries, Inc.....	Kansas City, MO 64116
Cornelius Hybrids.....	Cornelius Seed Corn Co.....	Bellevue, IA 52031
Corn King Hybrids.....	Malcolm H. Grieve.....	Pierson, IA 51048
Crow's Hybrids.....	Crow's Hybrid Corn Co.....	Milford, IL 60953
DeKalb Hybrids.....	DeKalb Ag Research, Inc.....	DeKalb, IL 60115
Dockendorff Hybrids.....	Dockendorff Hybrids, Inc.....	Danville, IA 52623
F.S. Hybrids.....	F.S. Services.....	Piper City, IL 60959
Farmers Hybrids.....	Farmers Hybrid Co's., Inc.....	Hampton, IA 50441
Federal Hybrids.....	Federal Hybrids.....	Marion, IA 52302
Funk's Hybrids.....	Funk Seeds International, Inc.....	Bloomington, IL 61701
Golden Hybrids.....	Williams Grain Co.....	Goldengate, IL 62843
Gutwein Hybrids.....	Fred Gutwein & Sons, Inc.....	Francesville, IN 47946
Hoblit Hybrids.....	Hoblit Seed Co.....	Atlanta, IL 61723
Holden Hybrids.....	Holden Foundation Seeds, Inc.....	Williamsburg, IA 52361
Hughes Hybrids.....	Hughes Hybrids, Inc.....	Woodstock, IL 60098
Hulting Hybrids.....	Ferry Morse Seed Co.....	P.O. Box 24, Geneseo, IL 61254
Kamp's Hybrids.....	Kamp's Farm Seed.....	R.R. 2, Evansville, IN 47712
Lester Pfister Hybrids.....	Pfister Hybrid Corn Co.....	El Paso, IL 61738
Lewis Hybrids.....	Frank W. Lewis & Son Seed Farms.....	Ursa, IL 62376
McAllister Hybrids.....	McAllister Seed Co., Inc.....	Mount Pleasant, IA 52641
McCurdy Hybrids.....	W. O. McCurdy & Sons.....	Fremont, IA 52561
McNair Hybrids.....	McNair Seed Co.....	Laurinburg, NC 28352
Migro Hybrids.....	Midwest Seed Growers Assn., Inc.....	Mitchell, IN 47446
Moews Hybrids.....	Moews Seed Co.....	Granville, IL 61326
Morton Hybrids.....	Roy A. Morton & Sons, Inc.....	Bowen, IL 62316
Muncy Chief Hybrids.....	Muncy Chief Hybrids.....	Muncy, PA 17756
Northrup-King Hybrids.....	Northrup, King and Co.....	Minneapolis, MN 55413
O's Gold Hybrids.....	O's Gold Seed Co., Inc.....	Parkersburg, IA 50665
O-Y-O Hybrids.....	O-Y-O Seed Associates, Inc.....	Marysville, OH 43040
P.A.G. Hybrids.....	P.A.G. Seeds.....	Box 2187, Minneapolis, MN 55415
Pioneer Hybrids.....	Pioneer Hi-bred Corn Co. of Illinois.....	Princeton, IL 61356
Pocklington Hybrids.....	Pocklington Bros. Seed Co.....	R.R. 2, Girard, IL 62640
Prairie Stream Hybrids.....	Prairie Stream Farms, Inc.....	Frankfort, IN 46041
Pride Hybrids.....	Pride Co., Inc.....	Glen Haven, WI 53810
Princeton Hybrids.....	Princeton Farms.....	P.O. Box 319, Princeton, IN 47570
Renk Hybrids.....	Renk Seed Co.....	R.R. 2, Sun Prairie, WI 53590
Seagull Hybrids.....	Rothermel Seed Co.....	P.O. Box 182, West Liberty, IA 52776
Sieben Hybrids.....	Sieben Seed Co.....	Geneseo, IL 61254
Stewart Hybrids.....	Stewart Hybrids, Inc.....	Princeville, IL 61559
Stull Hybrids.....	Stull Hybrids, Inc.....	Sebree, KY 42455
Sturdy-Grow Hybrids.....	Eugene Dallmier.....	Arcola, IL 61910
Super-Crost Hybrids.....	Edw. J. Junk & Sons.....	Kentland, IN 47951
Taylor-Evans Hybrids.....	Taylor-Evans Seed Co.....	P.O. Box 68, Tulia, TX 79088
Teweles Hybrids.....	L. Teweles Seed Co.....	R.R. 1, Clinton, WI 53525
Todd Hybrids.....	Todd Hybrid Corn Co., Inc.....	Burlington, IN 46915
Tracy Hybrids.....	Tracy & Son Farms, Inc.....	R.R. 1, Janesville, WI 53545
Trisler Hybrids.....	Trisler Seed Farms, Inc.....	Fairmount, IL 61841
Trojan Hybrids.....	Trojan Seed Co.....	P.O. Box 367, Windfall, IN 46076
Van Horn Hybrids.....	Van Horn Hybrids, Inc.....	Cerro Gordo, IL 61818
Whisnand Hybrids.....	Whisnand Hybrid Corn Co.....	R.R. 1 Arcola, IL 61910
Wyffels Hybrids.....	Wyffels Hybrid Seeds.....	R.R. 1, Geneseo, IL 61254

Table 3.—Extreme Northern Illinois: Woodstock (Planted at 20,000 plants per acre in 40-inch rows)

BRAND AND VARIETY	TOTAL YIELD			GRAIN MOISTURE			ERECT PLANTS			PLANTS PER ACRE		
	BU./ACRE			PERCENT			PERCENT					
	1973	1972	1971	1973	1972	1971	1973	1972	1971	1973	1972	1971
ACCO EXP. 4201.....	98			25.5			96			14523		
ACCO UC 3301.....	105	136	152	23.3	19.1	19.3	97	92	100	16507	17666	16833
ACCO UC 3601.....	79			26.0			95			16587		
ACCO UC 4561.....	87	134	129	22.0	20.8	23.3	100	86	100	16825	17051	18000
CARGILL 449.....	92			23.2			97			15952		
CARGILL 875.....	72			23.8			98			15238		
CORNELIUS 338X.....	69	143		23.8	21.4		98	90		17142	18308	
CORNELIUS C365X.....	91			23.5			95			15238		
CORN KING 1122.....	77	147	133	23.9	20.8	20.1	95	97	98	15952	17106	18000
DEKALB XL 44*.....	87			24.7			100			15634		
DEKALB XL 45A*.....	98			24.1			99			17063		
FUNKS 26189.....	78			21.2			93			13809		
FUNKS 26191.....	86			22.8			94			14761		
FUNKS G-4195.....	77			19.2			94			17857		
FUNKS G-4252.....	77			19.0			96			14682		
FUNKS G-4343.....	88			19.8			99			14206		
FUNKS G-4404.....	70			26.0			95			14841		
FUNKS G-4444*.....	84			24.3			96			15317		
GUTWEIN 104.....	70			19.0			98			16031		
GUTWEIN 40.....	69			21.8			98			13730		
GUTWEIN 116.....	74			21.9			96			15793		
HUGHES EXP. 32432.....	93			24.9			94			15555		
HUGHES EXP. 34172.....	100			25.4			98			16507		
HUGHES EXP. 36712.....	86			24.9			94			16666		
HUGHES SLX8.....	82	134		22.1	18.5		96	96		17063	17529	
HUGHES SLX19.....	78			22.7			98			14761		
HUGHES SLX20.....	84	141	139	23.2	20.8	21.9	97	91	100	14523	17922	17666
HUGHES SLX20C.....	92	137		23.4	21.8		94	97		14285	17882	
HUGHES SLX33.....	76			26.3			98			16904		
LESTER-PFISTER 15.....	91	134		25.6	22.2		98	96		15714	17944	
LESTER-PFISTER 17.....	84	128		20.6	23.8		96	87		15555	17903	
LESTER-PFISTER 19.....	82	147		22.0	19.8		94	95		15873	17945	
LESTER PFISTER 23.....	95	144		23.3	20.6		94	96		13888	17669	
MCCURDY 36M.....	78			22.9			97			14920		
MCCURDY MSX10A.....	80			19.5			98			15634		
MCCURDY MSX15A.....	74			23.0			97			17301		
MIGRO M-0501.....	95			28.7			97			16984		
MIGRO M-1130.....	88			22.9			96			15158		
MIGRO M-3020.....	88			24.1			94			15000		
MIGRO M-6646.....	80			32.2			95			16428		
MIGRO M-6666.....	87			31.4			97			14126		
MOEWS SM220.....	79	124	160	19.8	19.6	22.4	98	90	100	12936	18265	18000
MOEWS SM223.....	80	114		21.2	20.1		95	92		16507	17673	
MOEWS SM229.....	80	119	134	25.0	20.0	21.7	96	90	100	16269	17321	17500
MOEWS SH332.....	97	143	139	22.6	20.0	22.6	99	96	98	15079	16988	17333
NORTHROP-KING PX 610*.....	62			20.9			93			13174		
Ø'S GOLD SX1100.....	94			24.0			96			15873		
Ø'S GOLD SX1101.....	68			22.6			98			15634		
P.A.G. SX 53*.....	76			22.3			98			16031		
P.A.G. SX 53*.....	99			23.7			96			16349		
P.A.G. SX 69*.....	81			22.6			94			12142		
PIONEER 3571*.....	99			24.9			96			14761		
PRIDE R-404.....	74			21.0			98			11746		
PRIDE R-450.....	92	145	155	23.7	20.7	21.4	96	94	98	13968	17347	17833
PRIDE R-501.....	71	131	141	23.0	20.8	21.9	97	89	100	16428	17119	18000
PRIDE R-522.....	77	135	141	22.9	20.7	21.9	96	86	100	16507	17686	17666
RENK RK35A.....	76			23.0			95			14603		
RENK RK11AA.....	86			23.1			94			15714		
SEAGULL SX 20.....	79			22.4			95			14206		
SEAGULL SX 33.....	88			24.8			94			16587		
SUPER-CROST 2772.....	95	150	134	22.0	21.0	21.3	95	96	100	13174	17438	18000
SUPER-CROST 4242.....	91	149	140	24.9	21.4	23.4	94	92	100	15555	18005	17500
SUPER-CROST 5440.....	85			30.0			100			15000		
SUPER-CROST 527.....	81	151	141	23.9	20.7	22.2	95	95	100	15476	17376	17833
SUPER-CROST S63.....	86	138	155	25.3	21.2	21.8	96	92	100	16825	16334	18000
TAYLOR-EVANS MARKETMAKER.....	80	152	148	23.7	21.7	19.0	97	84	100	14047	16582	17666
TAYLOR-EVANS SUPREMAKER.....	74			21.1			97			14206		
TAYLOR-EVANS TIMEMASTER.....	74	127	142	21.1	19.0	18.8	96	92	100	15476	17373	17666
TRACY T209SX.....	85			23.4			95			16349		
TROJAN TX 105.....	75			22.5			95			14126		

Table 3.— Woodstock, continued

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1973	1972	1971	1973	1972	1971	1973	1972	1971	1973	1972	1971
TROJAN TXS 108A.....	93	162	24.5	21.9	99	92	16984	14852				
TROJAN TXS 111.....	90	130	28.3	24.2	96	96	16547	17692				
TROJAN TX 113.....	84		29.9		97					15873		
TROJAN TXS 113.....	100	141	26.5	24.1	96	96	14682	16584				
WYFFELS W-26.....	102		22.4		97					14206		
WYFFELS W-500.....	77		31.8		100					13650		
AVERAGE OF 1973 ENTRIES.....	84		23.9		97					15193		
L. S. D.....	21		1.9		5					3400		
C. V.....	14											

Table 4.— Northern Illinois: DeKalb (Planted at 20,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1973	1972	1971	1973	1972	1971	1973	1972	1971	1973	1972	1971
ACCO EXP. 4201.....	110		21.8		97					18125		
ACCO U 370.....	122	141	20.7	21.1	89	88				17890	15777	
ACCO UC 3601.....	117	142	20.5	22.3	94	82				16484	14888	
ACCO UC 4501.....	81		23.0		95					14062		
ACCO UC 5801.....	111	138	153	21.1	22.2	25.1	91	74	98	16875	16444	17777
ACCO UC 6601.....	99		22.1		97					16484		
ASGRØW RX53.....	99		18.2		95					18437		
ASGRØW RX58.....	109		19.5		92					15781		
COKERS 16.....	127		23.6		95					16171		
CORNELIUS 384X.....	119		20.3		95					18750		
CORNELIUS SX36A.....	105	160	162	19.9	19.7	26.4	97	93	94	18125	15111	17777
CORN KING 2300.....	114	144	149	21.3	21.5	24.8	94	77	100	16718	14666	18000
FUNKS 25792.....	113		18.9		95					18593		
FUNKS 26191.....	113		18.3		93					19218		
FUNKS 26215.....	109		18.9		94					18671		
FUNKS G-4343.....	99		16.6		95					17578		
FUNKS G-4366.....	122		19.4		94					16718		
FUNKS G-4404.....	112		20.2		92					18046		
FUNKS G-4444.....	98		19.6		86					16406		
FUNKS G-4445.....	114		19.9		92					18125		
FUNKS G-4567.....	120		20.7		94					16093		
HUGHES EXP. 36712.....	118		21.7		93					17265		
HUGHES SLX33.....	100		18.1		94					16171		
MCALLISTER SX7032.....	122	153	19.7	20.8	96	78				17812	15777	
MCALLISTER SX7066.....	111		19.4		95					16640		
MCCUROY NSX54.....	111		20.5		95					16484		
MCCUROY NSX55.....	117		20.0		97					14296		
MØEWS M2221.....	125	127	20.5	21.9	93	91				17578	16222	
MØEWS SM220.....	96	132	150	16.7	18.8	21.2	92	85	100	17812	16666	17111
MØEWS SM223.....	96		17.5		93					17421		
MØEWS SM229.....	112	123	156	19.8	21.2	25.5	91	87	100	15546	16444	17555
MØEWS SM331.....	92	131	18.6	22.8	89	73				17656	16444	
MØEWS SM332.....	118	135	152	18.0	19.9	23.8	93	87	100	15459	17111	17555
MØEWS WM220.....	96		17.8		95					18750		
PRIOE R-450.....	109	134	170	19.4	20.1	24.8	93	90	98	18359	16444	17777
PRIOE R-601.....	96	137	158	20.5	21.9	26.3	91	94	100	13828	16888	17777
PRIOE R-694.....	141		20.7		96					18203		
SUPER-CROST 2772.....	105	129	19.5	21.5	88	93				18203	17111	
SUPER-CROST 4242.....	138	147	20.5	20.7	92	88				15781	16666	
SUPER-CROST 5440.....	136		23.2		99					16640		
SUPER-CROST 863.....	120	133	19.6	18.1	95	88				16328	18000	
TAYLOR-EVANS CASHMAKER.....	89		23.7		98					17265		
TAYLOR-EVANS MASTERMAKER.....	112	103	30.2	26.5	95	94				16562	18000	
TROJAN TX 105.....	103		19.1		96					17890		
TROJAN TXS 108A.....	140		19.5		92					18906		
TROJAN TX 111.....	123		20.5		94					17500		
TROJAN TX 113.....	112	137	23.5	24.7	95	90				18437	17111	
TROJAN TXS 113.....	116	143	23.5	22.3	99	94	100			18203	16444	17555
AVERAGE OF 1973 ENTRIES.....	112		20.5		94					17098		
L. S. D.....	20		.7		5					N.S.		
C. V.....	13											

Table 4a.— Northern Illinois: DeKalb, Increased Planting Rate
(Planted at 24,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MAINTAIN- PERCENT			FERT PLANTS PERCENT			PLANTS PER ACRE		
	1973	1972	1971	1973	1972	1971	1973	1972	1971	1973	1972	1971
ACC0 U 348.....	108	151		21.5	22.1		98	80		21866	21099	
ACC0 UC 3301.....	114	150	169	21.0	22.6	25.8	86	84	97	22533	20966	23333
ACC0 UC 3601.....	98			22.7			94			23600		
ACC0 UC 5801.....	118	152		22.4	22.7		91	77		21600	19714	
ACC0 UC 6601.....	102			23.5			94			18400		
ASGR0W RX60.....	108			20.3			88			22266		
B0-JAC EXP. 4146.....	152			23.9			91			21466		
B0-JAC EXP. 5543.....	113			23.8			96			21200		
B0-JAC EXP. 6229.....	106			24.7			98			22666		
B0-JAC EXP. X2212.....	105			21.0			94			18800		
B0-JAC X22.....	98			19.3			92			23066		
B0-JAC X37.....	144			20.6			94			23466		
CARGILL 449.....	112			21.9			83			23200		
CARGILL 870.....	98			20.4			93			20666		
CARGILL 875.....	113			20.2			92			22400		
CORNELIUS C66SX.....	94			23.5			95			21600		
CORNELIUS SX36A.....	118	161	160	21.5	22.8	27.0	91	95	100	23066	21702	23111
DEKALB XL 44*.....	121			23.4			99			20000		
DEKALB XL 45A*.....	106			23.1			88			19600		
DEKALB XL 64*.....	135			24.5			93			19200		
DEKALB XL 66*.....	141			23.9			96			22133		
F.S. 242*.....	109			21.9			92			20533		
FARMERS 4229XL.....	116			19.3			95			22133		
FARMERS 4525XL.....	124			21.4			96			16533		
FUNKS 25792.....	103			20.6			94			23200		
FUNKS 26191.....	121			20.4			94			20400		
FUNKS 26215.....	93			20.9			91			23600		
FUNKS G=4343.....	94			18.1			75			20933		
FUNKS G=4366.....	132			20.5			87			21600		
FUNKS G=4404.....	108			23.0			86			21466		
FUNKS G=4444*.....	124			20.4			95			20800		
FUNKS G=4445*.....	135			21.6			97			20000		
FUNKS G=4567.....	131			22.7			93			21600		
GUTWEIN 40.....	95			18.0			89			20800		
GUTWEIN 42.....	146			23.5			97			21733		
GUTWEIN 48.....	103			20.4			92			22666		
GUTWEIN 128.....	123			20.7			91			20800		
HOLDEN 1006.....	142	191		18.8	20.0		94	80		21600	19261	
HOLDEN H 1024.....	137			23.8			93			23466		
HUGHES EXP. 39262.....	95			24.8			93			21333		
HUGHES EXP. 40303.....	143	180		23.8	22.9		97	91		23200	21532	
HUGHES SLX20.....	101	135	163	21.4	23.5	24.4	93	89	100	21066	21798	23777
HUGHES SLX29.....	117			18.8			92			20400		
HUGHES SLX33.....	115			22.3			97			19866		
LESTER-PFISTER 15.....	92	133	140	25.6	23.6	26.2	94	79	99	21866	21194	24000
LESTER-PFISTER 17.....	102	121	129	22.7	24.5	26.9	96	88	100	24000	22277	24000
LESTER-PFISTER 19.....	117	132	169	21.4	21.9	27.3	95	87	99	22133	19310	24000
LESTER PFISTER 23.....	110	150		20.6	20.9		90	83		19200	23333	
MCCALLISTER SX7032.....	106			22.6			94			21600		
MCCALLISTER SX7066.....	114	168	173	20.7	21.1	24.8	95	81	99	22666	22597	24000
MCCURDY 72-23.....	105			20.5			91			22266		
MCCURDY MSX44.....	116			21.9			93			22533		
MCCURDY MSX67E.....	121			20.4			94			20800		
MIGR0 M-0501.....	124	170	155	22.1	22.1	30.6	93	88	99	18933	20368	23777
MIGR0 M-1130.....	97			19.9			93			21466		
MIGR0 M-3020.....	114	151		21.5	23.0		96	82		20800	18986	
MIGR0 M-5040.....	129	124		21.7	21.6		93	73		22133	22118	
MIGR0 M-6666.....	122			27.7			97			20800		
MØEWS M2221.....	131	153		21.5	20.2		97	95		20800	18519	
MØEWS SM220.....	106	141	154	19.3	18.3	21.1	91	78	100	21333	20914	23777
MØEWS SM223.....	98	144		18.4	18.1		84	82		21733	21122	
MØEWS SM229.....	122	138	144	21.7	21.4	25.7	93	91	100	23453	21218	22222
MØEWS SM331.....	78			20.9			86			22133		
MØEWS SM332.....	119	145	153	19.6	20.8	24.7	88	86	100	20400	18057	23777
MØEWS WM220.....	104			19.7			93			19866		
MUNCY-CHIEF H764.....	112	166		24.5	24.8		92	73		19066	22568	
MUNCY-CHIEF SX662.....	84	156		27.0	25.8		97	95		20400	19212	
MUNCY-CHIEF SX777.....	113	140		24.6	24.5		89	76		21600	18839	
MUNCY-CHIEF SX878.....	132	178		26.9	27.2		94	94		21466	20479	
NØRTHRUP-KING PX 610*.....	104			22.9			90			21733		

Table 4a.— DeKalb, Increased Planting Rate, continued

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1973	1972	1971	1973	1972	1971	1973	1972	1971	1973	1972	1971
0'S GOLD SX3200.....	94			26.5			92			21600		
0'S GOLD SX5500A.....	142			22.6			94			21066		
P.A.G. SX 53.....	96			23.5			94			20800		
P.A.G. SX 69.....	118			20.2			96			20400		
PIONEER 3517*.....	101			23.5			94			22000		
PIONEER 3571*.....	115			22.8			93			20133		
POCKLINGTON P-4341.....	86			24.7			92			22133		
RAIRIE STREAM GOLDEN CROSS SX3.....	108			20.0			95			22800		
PRIDE R-450.....	97	160	145	21.8	22.0	25.6	97	88	100	19733	21558	24000
PRIDE R-601.....	87	168	134	22.5	22.6	28.4	85	59	100	20533	18686	24000
PRIDE R-694.....	133			22.1			95			22000		
RENK RK44.....	127	131	157	21.0	19.9	23.0	94	91	100	23333	22196	23555
RENK RK55.....	123			20.7			93			21733		
SEAGULL SX 20A.....	132			18.4			97			19600		
SEAGULL SX 33.....	113			21.6			91			18400		
SEAGULL SX 40.....	134			24.4			95			20533		
STEWART SX49.....	113			21.7			86			21600		
STEWART SX54.....	113			21.9			90			21066		
SUPER-CROST 2552.....	89	158	156	20.1	20.4	24.5	92	88	100	21066	23007	23555
SUPER-CROST 2772.....	127	163	153	20.7	22.1	26.2	94	95	99	20933	20343	24000
SUPER-CROST 4242.....	119	166	149	21.4	22.5	26.6	92	85	99	21066	20302	22666
SUPER-CROST 5440.....	140			23.7			97			18533		
SUPER-CROST 825.....	106	175	159	18.7	20.5	24.3	90	86	98	22400	23122	23111
SUPER-CROST 827.....	126	143	155	21.0	21.0	25.3	95	93	99	22266	22077	22666
SUPER-CROST 863.....	104	136	156	20.8	20.0	27.4	84	85	99	22000	21255	22000
SUPER-CROST 867.....	100			27.6			99			22000		
TEWELES EXP. 3D215.....	128			21.0			94			20800		
TEWELES EXP. 3535.....	131			21.7			94			22533		
TEWELES TXT92.....	99	185		23.1	22.0		93	89		22400	22738	
T000 1731.....	78			20.1			95			20133		
T000 1732.....	84			20.8			98			20133		
T000 1734.....	92			20.9			93			20400		
T000 M30.....	109	130	159	21.1	22.7	25.6	93	85	99	22933	19936	24000
T000 M55.....	89	167	135	21.4	18.8	25.0	97	79	100	22400	21007	24000
T000 M70.....	92			24.1			97			20800		
TRACY T207SX.....	107			18.4			90			23466		
TRACY T209SX.....	106	143	164	21.7	21.1	27.8	95	79	98	21066	19876	24000
TRACY TS15.....	139			19.8			93			22133		
TROJAN TXS 99.....	105	149		21.1	19.7		98	95		23066	22718	
TROJAN TX 105.....	102			20.6			94			18533		
TROJAN TXS 10RA.....	152			20.5			93			21866		
TROJAN TX 113.....	118			25.7			92			22400		
TROJAN TXS 113.....	137	178		27.4	23.7		96	85		21600	22868	
WYFFELS W-26.....	116			20.7			94			23066		
WYFFELS W-60.....	142			23.9			97			21333		
WYFFELS W-500.....	115	167		21.2	20.8		100	88		22400	20288	
AVERAGE OF 1973 ENTRIES.....	114			22.0			94			21383		
L. S. D.....	24			1.7			6			2900		
C. V.....	14											

Table 5.— East North-Central Illinois: Elwood, Increased Planting Rate
(Planted at 24,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1973	1972	1971	1973	1972	1971	1973	1972	1971	1973	1972	1971
ACCO EXP. 71-6901.....	75			32.2			91			22625		
ACCO UC 5301.....	92			28.5			89			22375		
ACCO UC 6601.....	78			29.0			89			23750		
ACCO UC 9101.....	99	143	133	30.6	20.5	26.5	89	72	100	20375	22886	24000
ACCO UC 9301.....	114	145		32.0	21.9		96	74		23125	23603	
ASGROW RX53.....	76			24.0			96			22500		
ASGROW RX60.....	77			22.6			88			23250		
B0-JAC EXP. 3555.....	115			28.0			85			23250		
B0-JAC EXP. 5543.....	72			29.1			98			23000		
B0-JAC EXP. 6229.....	79			29.3			92			23625		

Table 5.— Elwood, Increased Planting Rate, continued

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1973	1972	1971	1973	1972	1971	1973	1972	1971	1973	1972	1971
B0-JAC EXP.X2212.....	75			24.9			89			20625		
B0-JAC X22.....	73			21.3			89			23250		
B0-JAC X37.....	103			27.6			96			20875		
B0-JAC X 51A.....	54			28.9			96			21250		
DEKALB XL 43*.....	103			26.1			97			22000		
DEKALB XL 44*.....	92			27.1			98			22500		
DEKALB XL 45A*.....	80			25.3			96			22000		
DEKALB XL 64*.....	105			28.2			98			21625		
DEKALB XL 66*.....	98			29.8			97			22000		
FUNKS 25792.....	73			24.2			90			22500		
FUNKS 26191.....	66			23.8			92			22000		
FUNKS G-4343.....	59			22.9			81			20750		
FUNKS G-4366.....	105			24.7			81			21250		
FUNKS G-4404.....	54			27.3			83			22750		
FUNKS G-4444*.....	81			25.0			87			22250		
FUNKS G-4445*.....	90			26.5			96			23000		
FUNKS G-4567.....	85			26.7			95			21500		
FUNKS G-4628.....	108			34.3			93			22125		
FUNKS G-4646.....	89			30.8			98			23125		
GUTWEIN 40.....	73	141	137	22.5	17.8	20.7	86	92	98	22625	24225	24000
GUTWEIN 48.....	74			25.6			98			23625		
GUTWEIN 62.....	01			30.5			98			21375		
GUTWEIN 69A.....	90	145	132	26.3	18.9	23.0	79	85	97	23125	22416	22222
HUGHES EXP.26323.....	64	142		24.2	17.9		89	93		23250	22149	
HUGHES EXP.39262.....	93			27.7			99			20375		
HUGHES EXP.40303.....	76	146		29.2	21.1		97	98		23125	23379	
HUGHES SLX20.....	71	133	117	26.4	19.0	21.8	92	91	100	22000	22104	23777
HUGHES SLX29.....	66	145	130	23.9	18.3	19.4	94	95	98	22250	24160	22666
LESTER-PFISTER 15.....	85	141		28.2	18.9		97	90		22125	23006	
LESTER-PFISTER 17.....	86	140		28.1	20.1		96	82		21750	22798	
LESTER-PFISTER 19.....	89	154		25.9	17.7		88	82		23250	24223	
LESTER PFISTER 23.....	81	137		25.8	18.8		92	86		21625	24270	
MCALLISTER SX6837.....	77	131	134	29.7	21.9	27.5	100	77	100	22875	23189	23333
MCALLISTER SX7032.....	76	137	155	25.9	19.7	23.6	92	69	100	22125	22344	23333
MCALLISTER SX7176.....	119	141		32.1	21.5		91	40		23250	16000	
MCALLISTER SX7207.....	118			29.9			92			22750		
MIGRO M-0501.....	59			29.0			99			23250		
MIGRO M-6666.....	99			28.4			90			22750		
MOEWS M3430.....	58	175		25.2	18.6		94	83		23625	23002	
MOEWS SM220.....	83			23.2			89			23250		
MOEWS SM229	102	145	138	27.5	19.3	21.3	86	84	100	22125	23392	24000
MOEWS SM331.....	62	128		23.7	21.0		96	78		23750	23745	
MOEWS SM332.....	90	153		24.2	18.6		83	82		22250	23596	
MOEWS SM429.....	88	149	127	32.7	20.2	28.2	95	76	98	21750	23047	23111
MOEWS SM432.....	88	156	136	31.2	20.7	30.2	91	81	99	22750	22753	24000
MOEWS SM520.....	110			31.3			93			22625		
MOEWS WM220.....	83			23.2			89			19125		
NORTHRUP-KING PX 610*.....	76			25.7			85			23000		
PIIONEER 3348*.....	87			27.3			95			23000		
PIIONEER 3571*.....	73			27.2			96			23125		
PRAIRIE STREAM GOLDEN CROSS SX18.....	81			26.8			80			23125		
PRIDE R-694.....	95			29.7			93			22125		
PRIDE R-771.....	84	143	92	26.1	19.9	23.2	95	78	98	21375	23280	22888
PRIDE R-793.....	85			29.9			96			21875		
PRIDE R-803.....	62			28.3			95			22375		
PRIDE R-810.....	116	134	97	28.6	19.7	25.8	91	91	99	21375	23418	23555
RENK RK44.....	55	149	26	25.9	19.4	19.2	86	88	100	21875	23997	24000
RENK RK55.....	69			27.2			83			22250		
SEAGULL SX 33.....	90			27.9			83			21625		
SEAGULL SX 40.....	101			30.3			95			23375		
SEAGULL SX 55.....	83			29.1			95			21500		
SUPER-CROST 4242.....	100	151	116	27.3	19.4	25.0	85	79	100	23125	23084	23111
SUPER-CROST 5440.....	86			29.6			99			21625		
SUPER-CROST 7772.....	78			29.8			90			23000		
SUPER-CROST S25.....	54	153	115	21.9	17.6	21.2	73	82	100	21625	23177	24000

Table 5.— Elwood, Increased Planting Rate, continued

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1973	1972	1971	1973	1972	1971	1973	1972	1971	1973	1972	1971
SUPER-CROST 827.....	86	148	130	26.4	18.2	20.7	97	96	99	21375	22711	23555
SUPER-CROST 863.....	80	135		26.3	17.0		87	68		21500	21490	
SUPER-CROST 867.....	92			28.2			95				22875	
TROJAN TXS 99.....	71	140		22.2	18.3		99	93		21875	23678	
TROJAN TXS 102.....	76	147	142	26.5	18.2	19.7	87	97	100	22500	24156	23333
TROJAN TX 105.....	93			25.8			84				22375	
TROJAN TXS 111.....	80	142		30.2	16.3		97	91		23125	23099	
TROJAN TX 113.....	78	147		30.1	20.6		94	94		21750	22287	
TROJAN TXS 113.....	99	159	129	30.8	20.9	26.4	89	87	99	22875	23333	24000
AVERAGE OF 1973 ENTRIES.....	84			27.4			92			22359		
L. S. D.....	29			2.7			11			N.S.		
C. V.....	19											

Table 6.— West North-Central Illinois: Galesburg (Planted at 20,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1973	1972	1971	1973	1972	1971	1973	1972	1971	1973	1972	1971
ACCO EXP. 71-6901.....	122			23.7			96			19610		
ACCO U 378.....	122			22.3			87			19370		
ACCO UC 8801.....	125	179		23.7	21.0		90	65		18674	18000	
ASGRØW RX64.....	121			21.5			86			19759		
FEDERAL FX59.....	147			27.2			95			19059		
FUNKS 25792.....	119			20.1			86			19763		
FUNKS G-4366.....	123			19.8			93			19140		
FUNKS G-4404.....	119			23.1			86			19064		
FUNKS G-4444.....	129			20.1			87			19295		
FUNKS G-4445.....	143			20.3			92			19533		
FUNKS G-4567.....	128			20.9			88			19069		
FUNKS G-4628.....	164			28.0			89			18992		
FUNKS G-4646.....	133			24.9			90			19223		
FUNKS G-4648.....	125			25.7			90			20005		
FUNKS G-4737.....	145			25.8			92			19365		
LEWIS X418.....	129			25.8			94			18434		
LEWIS X628.....	141			23.7			96			18832		
MCCALLISTER SX6837.....	117	165	146	24.3	21.3	28.4	95	62	97	19607	17555	18000
MCCALLISTER SX7207.....	134			24.5			93			19453		
MØEWS SM331.....	115			20.7			90			18901		
MØEWS SM332.....	120			18.9			92			18670		
MØEWS SM421.....	140	150	168	23.0	21.0	22.1	91	38	98	19220	17777	17777
MØEWS SM422.....	119	154		25.5	20.3		94	68		19536	18000	
MØEWS SM432.....	127	154		22.8	20.2		91	76		19059	18000	
MØEWS SM520.....	146			24.9			93			19296		
MØEWS SM822.....	119	149	159	25.0	20.8	24.9	95	74	95	19925	17777	18000
MØEWS WM220.....	100			17.3			94			19139		
MØEWS WM432.....	119			22.8			90			19458		
MORTON 5700.....	125			25.1			97			19840		
MORTON 6700.....	137			28.3			96			18203		
PRIDE R-694.....	137			22.4			94			19606		
PRIDE R-771.....	116			21.6			91			19758		
PRIDE R-793.....	123			21.7			95			19996		
PRIDE R-803.....	114			22.6			97			18992		
PRIDE R-810.....	139			25.0			93			19374		
TROJAN TX 105.....	116			18.8			95			19138		
TROJAN TX 111.....	122			22.9			96			18908		
TROJAN TXS 111.....	152	156		21.8	19.2		96	65		20001	18000	
TROJAN TX 113.....	127	186		24.0	20.7		95	92		19142	18000	
TROJAN TXS 115.....	144	155		24.9	20.9		95	72		19768	17555	
TROJAN TXS 119.....	144	161		26.9	20.9		95	73		19448	17777	
TROJAN TX 119A.....	137			25.4			94			19837		
AVERAGE OF 1973 ENTRIES.....	130			23.3			93			19321		
L. S. D.....	18			1.7			6			N.S.		
C. V.....	10											

Table 6a.— West North-Central Illinois: Galesburg, Increased Planting Rate
(Planted at 24,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD		GRAIN MOISTURE		ERECT PLANTS		PLANTS PER ACRE				
	BU./ACRE	PERCENT	1973	1972	1971	1973	1972	1971	1973	1972	1971
ACCO EXP. 71-6901.....	124	25.5				91			22551		
ACCO UC 6601.....	136	22.4				86			22786		
ACCO UC 9101.....	127	147	25.9	19.9		82	34		22310	22844	
ACCO UC 9301.....	155	148	26.1	21.3		89	54		22945	23990	
ASGROW RX60.....	123	127	141	16.0	17.6 15.3	90	78	97	23419	24035	24000
BU-JAC EXP. 4146.....	154	24.1				93			23161		
BU-JAC EXP. 5543.....	116	22.6				96			23031		
BU-JAC EXP. X2212.....	138	18.5				88			23120		
BU-JAC XL 7L	144	154	27.7	22.5		92	39		22833	24039	
BU-JAC X35.....	139	164	148	21.1	19.4 21.1	82	67	96	23714	23583	24000
BU-JAC X37.....	155	123	158	20.7	19.2 22.8	93	35	98	23273	23973	23555
BU-JAC X62.....	124	172		23.4	20.6	93	83		24142	22599	
BU-JAC X83.....	137			24.1		90			22328		
CARGILL 930.....	142			23.5		93			23170		
COPP S-201.....	137	160		19.5	19.4	85	71		23639	23140	
CORN KING 1137.....	142			19.2		90			20510		
DEKALB XL 43*.....	134			21.0		94			23094		
DEKALB XL 44*.....	120			23.3		94			23133		
DEKALB XL 64*.....	136			24.6		89			22597		
DEKALB XL 66*.....	142			24.7		91			22768		
DOCKENDORFF D11.....	114	139		23.6	19.3	82	55		21733	23975	
DOCKENDORFF D17.....	163	115	164	26.2	21.5 29.2	94	24	99	24059	23537	24000
DOCKENDORFF EXP. 7272.....	162			23.2		96			23362		
FARMERS 2662XL.....	123			24.6		89			22842		
FARMERS 4525XL.....	141			21.8		86			22750		
FEDERAL FX59.....	147	116		25.9	21.4	93	36		21361	23040	
FUNKS 25792.....	141			18.8		86			23388		
FUNKS G-4366.....	124			19.9		79			23754		
FUNKS G-4404.....	119			23.0		87			20912		
FUNKS G-4444*.....	132			19.4		86			23252		
FUNKS G-4445.....	131			19.4		85			23228		
FUNKS G-4567.....	135			19.9		87			22287		
FUNKS G-4628.....	152			28.3		92			24044		
FUNKS G-4646.....	140			23.3		91			22062		
FUNKS G-4648.....	115			24.7		84			23394		
FUNKS G-4737.....	145			26.5		84			23227		
HOLDEN 1016.....	149	161		22.8	20.9	93	61		22143	23792	
HOLDEN H 1023.....	154			23.1		96			23123		
HOLDEN H 1024.....	140			23.9		95			22500		
HUGHES EXP. 26323.....	140	173		21.1	16.9	92	61		24033	24067	
HUGHES EXP. 36453.....	134			24.6		89			22584		
HUGHES EXP. 39262.....	115			24.4		92			22874		
HULTING 770*.....	142			21.0		89			22763		
LESTER-PFISTER 14.....	121	146		23.4	19.9	89	50		23114	23982	
LESTER-PFISTER 15.....	107	156		23.3	19.7	89	62		22834	23999	
LESTER-PFISTER 17.....	96	124		22.4	20.4	85	67		23575	23317	
LESTER-PFISTER 23.....	126	123		20.1	18.8	81	64		22037	23790	
LESTER-PFISTER 27.....	132	183		20.8	17.7	94	46		21435	23078	
LESTER-PFISTER 57.....	118			24.7		90			23056		
LESTER-PFISTER 61.....	125			25.3		93			22947		
LESTER-PFISTER 64.....	121			23.8		94			23433		
LEWIS X22H.....	100			22.7		95			21957		
LEWIS X34B.....	137			24.3		90			23620		
LEWIS X62B.....	154			23.1		97			23162		
MCALEISTER SX6837.....	123	152	168	23.5	22.4 27.6	96	37	95	23307	23369	23333
MCALEISTER SX7071.....	122	157		23.3	19.5	84	59		22399	24043	
MCALEISTER SX7176.....	131	186		25.4	20.4	84	22		23164	23497	
MCALEISTER SX7196.....	127			24.1		89			23315		
MCALEISTER SX7207.....	131			24.8		95			22305		
MCALEISTER SX7277.....	114			22.4		92			23168		
MCCURDY MSX54.....	121			22.2		88			22721		
MCCURDY MSX67.....	142	182		23.5	19.3	95	55		22325	24067	
MIGRØ M-0501.....	142			21.0		94			22458		
MIGRØ M-6666.....	153			23.6		94			22390		
MOEWS SM331.....	125			19.2		82			23764		

Table 6a. — Galesburg, Increased Planting Rate, continued

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1973 1972 1971			1973 1972 1971			1973 1972 1971			1973 1972 1971		
MOEWS SM332.....	121	150		18.6	17.2		88	55		20366	23566	
MOEWS SM422.....	113	144		25.1	20.9		89	60		23574	24003	
MOEWS SM429.....	125	135	149	24.2	20.4	22.7	92	63	95	23182	23961	23777
MOEWS SM432.....	121	157	159	23.3	21.2	27.0	91	65	94	21795	23997	24000
MOEWS SM520.....	134			25.8			90			23626		
MOEWS SM822.....	135	155		24.2	20.8		88	44		22823	24008	
MOEWS WM220.....	100			18.2			90			21449		
MOEWS WM432.....	130			22.7			83			21522		
MORTON 4300.....	102			22.4			88			22803		
MORTON 4901.....	146			25.5			87			22441		
O'S GOLD SX5500.....	158			25.6			93			22544		
O'S GOLD SX5500A.....	140			22.2			90			23165		
P.A.G. SX 83.....	132			23.5			89			22560		
PIONEER 3334*.....	150			22.1			92			22884		
PIONEER 3376*.....	124			23.5			89			21858		
PIONEER 3571*.....	132			21.2			89			22954		
POCKLINGTON P-6441.....	138			28.0			93			22372		
PRIDE R-694.....	133			21.3			87			22983		
PRIDE R-771.....	109			21.7			88			23843		
PRIDE R-793.....	144			19.9			91			22336		
PRIDE R-803.....	128			22.7			94			23331		
PRIDE R-810.....	129			25.9			84			23016		
RENK RK44.....	134	151	143	19.0	18.8	14.5	85	85	96	23634	24022	23777
RENK RK55.....	112	153		20.8	19.1		78	43		22801	23520	
RENK RK66.....	152	184		19.6	20.2		90	70		23280	23198	
SEAGULL SX 33.....	137			22.1			90			23405		
SEAGULL SX 40.....	133			23.3			93			21611		
SEAGULL SX 55.....	137			24.3			96			23006		
STEWART S382.....	156			23.8			92			23213		
SIEBEN 25XS*.....	123			20.0			86			23436		
STEWART SX54.....	137			20.1			90			22949		
STEWART SX58.....	136			27.8			89			21539		
STEWART SX59.....	146			26.9			92			19807		
STEWART SX68.....	141			24.1			91			22354		
SUPER-CROST 4242.....	126	158	143	22.4	18.4	20.8	88	59	95	22601	23127	24000
SUPER-CROST 5440.....	152			24.3			95			22136		
SUPER-CROST 7772.....	137	139	159	23.5	21.5	23.3	93	36	97	23613	24027	24000
SUPER-CROST 563.....	120	118	156	21.2	19.4	18.7	86	11	99	22058	23325	23777
SUPER-CROST 565.....	94	147	133	24.1	19.7	21.9	84	44	97	22409	23538	24000
SUPER-CROST 567.....	126			24.9			95			21907		
SUPER-CROST 585.....	154	127		26.6	21.5		89	56		22070	23379	
TROJAN TX 105.....	133			21.0			94			22937		
TROJAN TX 113.....	150	156		24.4	20.4		90	58		22848	23997	
TROJAN TXS 113.....	136	151	168	25.0	20.4	24.2	92	56	94	22991	23977	24000
TROJAN TX 117.....	147	164		24.4	21.2		92	66		23766	23926	
TROJAN TXS 117.....	142	143		23.7	19.8		92	42		23238	23785	
TROJAN TXS 119.....	161			25.5			94			23000		
WYFFELS W-60.....	151			23.9			95			22121		
WYFFELS W-70.....	144			23.9			95			22926		
AVERAGE OF 1973 ENTRIES.....	134			20.0			86			23436		
L. S. D.....	21			2.0			8			2600		
C. V.....	11											

Table 7.— West-Central Illinois: Carthage (Planted at 24,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			EFFECTIVE PLANTS PER CHIT			PLANTS PER ACRE		
	1973	1972	1971	1973	1972	1971	1973	1972	1971	1973	1972	1971
ACCO AR19775.....	67			22.1			93			21584		
ACCO EXP. 71-6901.....	81			21.0			95			22307		
ACCO UC 6601.....	94			19.4			89			22461		
ACCO UC 8801.....	90	124		19.6	24.5		91	88		20615	17833	
B0-JAC EXP. 5526.....	120			20.1			95			22615		
B0-JAC EXP. 6229.....	98			20.2			93			22040		
B0-JAC X7L.....	107	94	162	23.3	25.4	22.8	86	82	99	21846	17500	18030
B0-JAC X9.....	81			20.0			84			21230		
B0-JAC X83.....	68			20.5			89			22000		
B0-JAC X91.....	103			24.4			93			21846		
COKER S 16.....	103			22.1			87			22307		
COPP S-304.....	77			22.1			89			22000		
COPP S-318.....	112			21.6			89			21692		
DEKALB XL 64*.....	126			21.4			90			23538		
DEKALB XL 66*.....	100			21.5			89			22461		
F.S. 860*.....	113			24.3			93			22769		
FUNKS 25262.....	90			23.4			85			21846		
FUNKS 26174.....	105			22.9			84			19326		
FUNKS 26207.....	72			21.6			87			23384		
FUNKS G-4445.....	111			18.5			85			21246		
FUNKS G-4567.....	104			20.2			89			23538		
FUNKS G-4628.....	98			22.5			92			23250		
FUNKS G-4646*.....	122			20.5			87			22923		
FUNKS G-4648.....	90			21.6			86			21692		
FUNKS G-4737.....	128			21.1			86			20923		
FUNKS G-4757.....	78			22.8			91			22153		
HUBLIT XR444.....	106			21.1			95			22461		
HUBLTT XR445.....	126			18.9			91			23384		
HUBLIT XR451.....	81	112		23.3	22.4		84	87		23642	18000	
LESTER-PFISTER 14.....	113	114		19.7	20.8		83	81		22769	17566	
LESTER-PFISTER 27.....	94	111		17.0	21.0		84	93		21076	17500	
LESTER-PFISTER 57.....	121			22.1			90			22153		
LESTER-PFISTER 61.....	102			22.5			91			22461		
LESTER-PFISTER 64.....	73			21.4			89			20715		
LEWIS X228.....	98			19.7			98			18615		
LEWIS X348.....	103			22.1			89			21846		
LEWIS X628.....	74			19.9			90			22923		
LEWIS X788.....	117	128		21.8	24.2		90	91		22923	17333	
M CALLISTER SX6837.....	87			21.0			86			23076		
M CALLISTER SX7207.....	104			21.5			93			24000		
M CALLISTER SX7277.....	65			20.8			91			22615		
MCCURDY 72-28.....	121			19.9			87			20923		
MCCURDY MSX67.....	112			17.9			91			14692		
MCCURDY MSX85.....	101	115		21.0	19.7		95	73		22923	17500	
MCCURDY MSX87.....	102			21.8			91			20461		
MCCURDY MSX88.....	110			22.4			85			21846		
MOEWS M7822.....	76			23.6			91			21558		
MOEWS SM422.....	105	124		19.7	22.6		93	88		22615	18000	
MOEWS SM432.....	66			20.1			88			23076		
MOEWS SM438.....	80			19.6			86			22923		
MOEWS SM520.....	94			22.2			95			23076		
MOEWS SM722.....	94			22.7			85			22507		
MOEWS SM822.....	81	117	166	20.4	20.8	24.4	89	86	90	21692	18000	17500
MOEWS WM432.....	85			18.8			85			24000		
MOEWS WM438.....	88			19.2			83			20000		
MORTON 4901.....	87	122		21.8	23.8		90	78		22007	17833	
MORTON 6700*.....	108	131		23.4	25.2		88	86		23230	17333	
MORTON 6700A.....	87			22.7			84			22769		
P.A.G. SX 7*.....	84			18.7			81			22769		
P.A.G. SX 39*.....	97			21.8			91			22923		
PIioneer 3334*.....	74			20.1			83			23384		
PIioneer 3369A*.....	94			21.1			83			22153		
PIioneer 3376*.....	109			19.0			88			23176		
TROJAN TXS 111.....	74	116		17.3	18.2		93	84		22923	18000	
TROJAN TX 113.....	80	126		20.8	22.2		93	84		22769	17166	
TROJAN TXS 113.....	98	140	182	21.8	24.2	22.1	88	92	99	23538	17666	17833
TROJAN TX 117.....	80			22.5			90			21384		
TROJAN TXS 117.....	104	149		19.3	21.7		87	90		22153	17166	
TROJAN TXS 119.....	94			23.3			87			22000		
TROJAN TX 119A.....	108			21.2			89			22461		
AVERAGE OF 1973 ENTRIES.....	96			21.1			84			22217		
L. S. D.....	N.S.			1.4			N.S.			N.S.		
C. V.....	23											

Table 8.—Central Illinois: Hartsburg, Increased Planting Rate
(Planted at 24,000 plants per acre in 38-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1973	1972	1971	1973	1972	1971	1973	1972	1971	1973	1972	1971
ACCO AR19775.....	119			20.5			95			18062		
ACCO EXP. 71-6901.....	120			18.7			94			18000		
ACCO U 378.....	110	150	151	18.8	22.1	19.7	97	53	99	14625	22211	24000
ACCO UC 5801.....	103	144		18.5	20.5		94	66		21000	22391	
ACCO UC 6601.....	136			19.5			94			17062		
ACCO UC 9301.....	121	146		20.1	23.5		92	56		16500	23686	
ASGRW RX60.....	126			19.3			95			18250		
ASGRW RX64.....	120			20.6			87			16437		
ASGRW RX70.....	102			17.6			98			18812		
BO-JAC EXP. 3555.....	105			19.3			96			16625		
BO-JAC EXP. 4146.....	122			18.8			91			17812		
BO-JAC EXP. 5526.....	106			19.3			97			17250		
BO-JAC EXP. 5543.....	95			17.6			91			18500		
BO-JAC EXP. 6229.....	82			17.5			94			18750		
BO-JAC EXP. X2212.....	103			19.3			96			18375		
BO-JAC X7L	110	130	153	19.5	23.0	25.0	94	63	99	18687	23960	24000
BO-JAC X37.....	127	106		19.3	18.2		92		100	18687	21333	
BO-JAC X77L.....	115	169	165	19.7	22.3	23.0	96	68	100	18937	22624	23555
BO-JAC X83.....	102			19.5			96			18062		
COOP S-318.....	99			18.9			97			17812		
CROWS 707*.....	107			18.6			94			20500		
DEKALB XL 64*.....	121			18.5			88			19375		
DEKALB XL 66*.....	116			20.1			93			18000		
DEKALB XL 347*.....	90			18.5			96			18375		
F.S. 860*.....	119			19.2			92			18812		
FUNKS 26174.....	118			18.3			83			19062		
FUNKS G-4444.....	118			20.0			92			19000		
FUNKS G-4445*.....	124			17.5			93			17375		
FUNKS G-4567.....	113			17.8			94			18375		
FUNKS G-4628.....	131			19.2			96			16812		
FUNKS G-4646*.....	110			19.3			94			18562		
FUNKS G-4648.....	114			19.9			96			19375		
FUNKS G-4737.....	121			19.4			94			17062		
FUNKS GHD 562.....	133			20.4			97			18750		
FUNKS GHD 605.....	121			20.0			93			18750		
GUTWEIN 62.....	111			19.6			96			17312		
GUTWEIN 65.....	119	128		18.9	24.1		96	59		17750	22568	
GUTWEIN 69A.....	93	131		18.5	20.2		90	64		17437	22947	
GUTWEIN 80.....	123	178		19.7	22.9		92	62		16375	23458	
GUTWEIN 88.....	108	128		20.4	21.1		94	90		18562	20970	
HORBLIT X444.....	89			20.5			92			18125		
HORBLIT X444A.....	106	208		19.4	23.0		95	77		16375	22815	
HORBLIT X451.....	105	149		19.1	22.8		96	83		18937	21228	
HUGHES EXP. 32263.....	93			17.4			92			18750		
HUGHES EXP. 36453.....	104			19.3			96			19125		
HUGHES EXP. 39262.....	109			19.3			98			20125		
LESTER-PFISTER 14.....	109	90		18.2	19.9		97	77		17500	22201	
LESTER-PFISTER 15.....	106	153		19.6	20.4		96	82		17937	21496	
LESTER-PFISTER 17.....	102	121		17.6	20.3		94	52		19187	21770	
LESTER-PFISTER 27.....	112	134		19.3	18.1		95	87		18375	22534	
LESTER-PFISTER 57.....	115			17.8			95			19562		
LESTER-PFISTER 61.....	119			19.4			90			18187		
LESTER-PFISTER 64.....	109			18.3			98			18812		
LEWIS X228.....	113			19.9			95			19062		
LEWIS X348.....	118	211		19.7	23.1		97	88		17562	22665	
LEWIS X418.....	149			20.0			95			16937		
LEWIS X628.....	128			20.0			92			19812		
LEWIS X788.....	80	135		17.7	22.7		79	71		17562	23270	
M CALLISTER SX6837.....	118			19.5			96			18125		
M CALLISTER SX7176.....	103	160		18.3	23.5		94	48		19500	23551	
M CALLISTER SX7207.....	120			20.0			90			18125		
MCCURDY MSX84.....	97			19.0			98			17312		
MCCURDY MSX87.....	127			19.7			92			19312		
MCCURDY MSY88.....	112			18.3			93			18687		
MIGRA M-0501.....	109	157	145	18.8	20.7	17.3	89	84	99	17750	21202	24000

Table 8.—Hartsburg, Increased Planting Rate, continued

BRAND AND VARIETY	TOTAL YIELD		GRAIN MASTURE		ERECT PLANTS		PLANTS PER ACRE			
	BU./ACRE		PERCENT		PERCENT					
	1973	1972	1971	1973	1972	1971	1973	1972	1971	
MIGRA M-0711.....	127	155	149	20.9	23.3	23.8	97	67	99	18062 21729 24000
MIGRA M 5045.....	106			19.3			95			17750
MIGRA M-6646.....	106	127		19.1	21.8		91	81		17937 20020
MIGRA M-6666.....	125	152		19.8	22.5		94	81		18812 22419
MIGRA M-7072.....	111			20.2			96			18187
MOEWS M7624.....	103			18.7			92			18312
MOEWS M7822.....	106			20.1			95			17875
MOEWS SM422.....	103	154		18.3	20.3		90	80		17562 21571
MOEWS SM429.....	107		132	19.0		20.0	92	100	19000	24000
MOEWS SM432.....	115	193	148	17.4	22.8	21.2	94	78	100	17250 23264 23111
MOEWS SM438.....	89			18.9			88			19000
MOEWS SM523.....	125			19.1			95			18875
MOEWS SM822.....	129	147		20.1	22.3		93	75		18562 22666
MOEWS SM432.....	86			19.3			88			18125
MOEWS WM438.....	113	143		18.0	21.0		94	72		17812 21075
P.A.G. SX 93.....	101			18.7			95			19000
P.A.G. SX 98.....	112			20.0			90			15812
PIONEER 3369A*	112		150	20.0		21.1	98		100	17812 22444
PIONEER 3376*	101			19.9			94			17812
RENK RK55.....	97	123		17.8	19.7		91	51		17875 24038
RENK RK66.....	100	151		18.6	22.5		95	79		16875 23788
STEWART S382.....	97			17.2			96			17187
STEWART SX58.....	119	171		19.8	20.9		93	70		17562 22512
STEWART SX59.....	116			19.5			95			17375
STEWART SX68.....	109	125		18.7	21.7		81	78		19062 22443
STEWART SX71.....	105	113		18.7	21.5		94	51		18437 22131
SUPER-CROST 5440.....	108			17.6			95			17687
SUPER-CROST 7772.....	110	137	147	18.6	22.8	21.9	90	68	100	19000 21962 22222
SUPER-CROST S63.....	111	136	177	19.5	20.9	17.4	91	58	99	19687 23222 24000
SUPER-CROST S67.....	125			18.9			91			18625
SUPER-CROST S85.....	124	112		20.2	21.7		95	32		16562 22995
TEWELES EXP. 30217.....	102			19.3			93			18375
TEWELES EXP. 30218.....	119			21.0			95			18375
TEWELES SXT48.....	128	171		19.8	21.6		95	84		18750 21515
TRISLER T-333.....	109			17.5			96			18437
TRISLER T-920.....	121			18.9			96			20125
TRISLER T-2500.....	105			19.5			92			17500
TRISLER T-5500.....	118			19.0			88			18625
TRISLER T-7500.....	103			18.3			95			19250
TROJAN TXS 111.....	85	147		17.8	19.5		89	86		15625 23163
TROJAN TX 113.....	109	175		19.5	21.4		98	87		19312 23675
TROJAN TXS 113*	113	171	163	20.1	22.5	21.1	92	92	100	19625 22333 24000
TROJAN TX 117.....	141			20.5			96			17625
TROJAN TXS 117.....	121			19.8			93			19062
TROJAN TXS 119.....	109	167		20.9	22.4		96	74		18625 22381
TROJAN TX 119A.....	110			18.6			94			19062
AVERAGE OF 1973 ENTRIES.....	112			19.2			94			18303
L. S. D.....	32			2.0			14			4700
C. V.....	23									

Table 9.— East-Central Illinois: Urbana (Planted at 20,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD			GRAIN MOISTURE			ERECT PLANTS			PLANTS PER ACRE		
	BU./ACRE			PERCENT			PERCENT					
	1973	1972	1971	1973	1972	1971	1973	1972	1971	1973	1972	1971
ACCO AR19775.....	189			22.0			100			17080		
ACCO EXP. 71-6901.....	212			21.9			98			18646		
ACCO U 392.....	182	158		21.7	27.1		98	94		16945	17616	
ACCO UC 8801.....	206		111	20.2		24.2	97		100	17655		18000
ANDERSON AX-5.....	160	148	144	17.4	20.9	21.4	98	100	98	16096	17999	17333
ANDERSON AX-9.....	172	150		18.7	23.1		98	96		16253	17724	
ANDERSON AX-12.....	174	150		20.3	23.9		96	95		18150	17885	
ANDERSON 3-W-105.....	160	153		18.0	23.1		100	98		19489	17754	
ANDERSON 3-W-110.....	173	136	143	19.6	24.8	18.5	100	100	96	19113	17641	18000
ANDERSON 3-W-115.....	152	140		19.0	22.9		100	98		17183	17758	
ASGROW RX64.....	167			19.0			99			17943		
B6-JAC EXP. 6229.....	172			21.1			100			16558		
B6-JAC X7L	204			21.7			99			15942		
B6-JAC X83.....	189			21.1			96			17968		
CARGILL 495.....	164			21.1			100			17859		
CARGILL 979.....	180			22.6			98			16241		
CENTRAL-ILLINOIS CI324.....	186			19.0			99			19584		
CENTRAL-ILLINOIS CI2304.....	185	129		18.7	25.7		100	94		16765	17817	
COKER, S 16.....	182			21.5			98			19338		
FUNKS 26174.....	186			21.5			99			16760		
FUNKS 26207.....	186			21.1			100			18102		
FUNKS G-4444.....	174			17.0			99			18351		
FUNKS G-4445.....	173			18.4			95			18005		
FUNKS G-4567.....	195			18.9			98			18765		
FUNKS G-4628.....	178			22.5			99			17671		
FUNKS G-4646.....	190			19.9			96			19080		
FUNKS G-4648.....	183			21.1			99			18722		
FUNKS G-4737.....	187			21.8			100			17607		
GOLDEN SX101.....	175			22.8			100			18619		
GUTWEIN 86.....	188	157		20.4	23.4		99	100		20057	16092	
HOBBLIT XR447A.....	199			20.2			100			18736		
MACALLISTER SX6837.....	207	171	142	19.7	24.7	26.2	100	97	98	18141	17730	18000
MACALLISTER SX7196.....	175	157	144	20.0	24.3	22.7	98	96	98	18274	18075	18000
MACALLISTER SX7207.....	203			21.5			97			17968		
MCCURDY MSX88.....	183	164	137	22.5	25.2	25.6	100	98	97	16228	17794	18000
MIGRO M-EXP. 7070.....	185			23.2			86			17488		
MIGRO M-EXP. 7083.....	159			18.8			99			19765		
MIGRO M-0501.....	155	144	124	16.3	21.5	20.8	100	100	100	14312	17111	18000
MIGRO M-6646.....	186	157		20.0	24.0		99	98		17267	17446	
MIGRO M-6666.....	167	171		20.6	26.2		98	100		18999	17342	
MIGRO M-7072.....	182	169		21.4	25.5		100	98		17865	17587	
MØEWS SM421.....	188	154		19.3	23.0		99	97		19471	16491	
MØEWS SM422.....	204	163		19.2	25.1		100	82		18300	18019	
MØEWS SM523.....	188			21.6			95			18334		
MØEWS SM622.....	207	162		23.1	29.8		98	100		16694	17179	
MØEWS SM822.....	200	168	141	21.4	26.5	27.1	100	98	100	17297	17814	18000
MØEWS WM429.....	177			19.2			90			18886		
MØEWS WM438.....	193	125		20.6	28.2		98	96		18048	17814	
MØEWS WM520.....	164			21.8			7			18564		
PÖCKLINGTON P-6441.....	198			22.0			99			17509		
PÖCKLINGTON P-7661.....	176			23.1			100			14495		
PRINCETON SX630.....	200			21.0			98			19268		
PRINCETON SX650.....	174	158		18.7	24.6		100	98		16787	17943	
PRINCETON SX850.....	195	158	159	21.1	25.1	4.3	99	96	97	15936	17358	18000
TODD 1876.....	199			21.1			100			17657		
TODD 1886.....	138			18.9			98			19597		
TODD M68.....	163			19.0			99			17137		
TODD M90.....	186			21.5			98			18885		
TRØJAN TX 111.....	178			18.0			99			17812		
TRØJAN TXS 113.....	189	164		21.7	27.3		100	96		18323	17057	
TRØJAN TX 117.....	183			21.9			98			19278		
TRØJAN TXS 119.....	176			22.1			99			19038		
TRØJAN TX 119A.....	180			21.1			100			17005		
TRØJAN TXS 124.....	194			20.4			100			18388		
AVERAGE OF 1973 ENTRIES.....	180			20.5			99			17912		
L. S. D.....	25			1.2			3			4201		
C. V.....	10											

Table 9a. — East-Central Illinois: Urbana, Increased Planting Rate
(Planted at 24,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			FERT PLANTS PERCENT			PLANTS PER ACRE		
	1973	1972	1971	1973	1972	1971	1973	1972	1971	1973	1972	1971
ACCO AR19775.....	145			22.6			100			23851		
ACCO EXP. 71-69n1.....	170			22.9			94			22666		
ACCO UC 5801.....	159	167		19.3	23.8		93	94		21777	22639	
ACCO UC 6601.....	166			20.4			96			21333		
ACCO UC 9101.....	178	164	141	21.3	26.8	22.7	98	88	96	24000	22382	24000
ANDERSON AX-5.....	181	138	148	17.9	20.7	21.4	96	95	97	23851	23691	24000
ANDERSON AX-9.....	165	182		19.5	22.9		98	94		22962	22736	
ANDERSON AX-12.....	150	153		21.5	22.7		90	94		22074	21516	
ANDERSON 3-W-105.....	168	131		18.9	20.9		96	98		22814	24027	
ANDERSON 3-W-110.....	182	152	144	20.6	23.8	19.0	98	92	95	22518	22881	24000
ANDERSON 3-W-115.....	168	134		19.2	23.3		95	99		23555	22015	
ASGROW RX60.....	139	172		15.8	19.9		93	97		22222	23048	
ASGROW RX70.....	162			18.0			98			19851		
BUD-JAC EXP. 5526.....	200			20.3			100			20740		
BUD-JAC EXP. 6229.....	167			21.7			96			23259		
BUD-JAC EXP. 9722.....	170			25.0			89			22962		
BUD-JAC X7L.....	179	168	149	22.2	24.0	27.0	99	100	98	20592	21477	24000
BUD-JAC X62.....	155			21.8			98			23407		
BUD-JAC X83.....	177			21.8			98			20444		
CARGILL 930.....	196			19.9			98			23111		
CARGILL 979.....	188			22.9			100			21481		
CENTRAL-ILLINOIS CI47.....	167	191	134	22.7	25.3	26.0	100	99	97	20740	20124	24000
CENTRAL-ILLINOIS CIEXP.30D.....	203			18.8			99			23111		
COKER S 16.....	197			21.5			100			22814		
CAMP S-318.....	185			22.5			100			20444		
DEKALB XL 64%.....	182			20.5			100			20888		
DEKALB XL 66%.....	129			21.1			91			20592		
DEKALB XL 81%.....	179			22.3			97			21481		
F.S. 860%.....	190			23.1			96			23407		
FARMERS 2662XL.....	176			21.9			97			23407		
FARMERS 2882XL.....	167	198		24.8	26.9		86	95		22074	19660	
FARMERS 4589XL.....	155	186		23.1	24.4		100	97		22666	23812	
FUNKS 26174.....	180			22.9			98			19555		
FUNKS 26207.....	158			22.0			97			21481		
FUNKS G-4444.....	166			18.6			85			23703		
FUNKS G-4445%.....	160			18.4			94			20296		
FUNKS G-4567.....	137			17.6			90			22370		
FUNKS G-4628.....	193			22.8			100			20592		
FUNKS G-4646%.....	164			21.3			96			20444		
FUNKS G-4648.....	180			21.8			98			21925		
FUNKS G-4737.....	190			23.2			99			23407		
GULDEN SX303.....	165			21.2			96			23851		
GUTWEIN 62.....	189			19.5			94			22666		
GUTWEIN 65.....	174	194		22.2	24.2		96	98		19703	22888	
GUTWEIN 69A.....	153	174	147	17.5	21.4	21.4	97	90	95	20148	23337	24000
GUTWEIN 80.....	187	163		22.5	24.2		98	87		23111	22214	
GUTWEIN 88.....	171	187	148	23.2	24.2	26.2	97	94	98	21481	20666	24000
GUTWEIN 167.....	181	138		20.9	24.4		97	93		22074	24116	
HOLDEN H 1016.....	170	203		20.5	23.9		97	97		23407	21407	
HOLDEN H 1023.....	187			20.5			100			22518		
HOLDEN H 1024.....	175			18.9			100			21629		
HOLDEN H 1025.....	152			19.3			100			21629		
LESTER-PFISTER 14.....	175	141	136	19.5	22.4	21.0	95	93	89	23407	22050	24000
LESTER-PFISTER 15.....	138	157	131	19.1	23.2	19.7	98	97	81	22814	22908	24000
LESTER-PFISTER 17.....	137	154	153	19.4	23.9	21.4	92	98	99	22370	24035	24000
LESTER-PFISTER 27.....	186	150	140	17.7	21.5	19.7	99	99	96	23259	22323	24000
LESTER-PFISTER 57.....	177			21.4			98			22814		
LESTER-PFISTER 61.....	185			20.6			96			23703		
LESTER-PFISTER 64.....	172			21.2			97			22814		
LESTER-PFISTER 74.....	191			20.8			94			21925		
LESTER-PFISTER 76.....	182			23.4			98			22962		
LEWIS X548.....	181			21.1			97			23555		
LEWIS X620.....	198			18.3			96			24000		
LEWIS X788.....	169	167		21.2	24.6		98	89		20444	23333	
LEWIS X808.....	201	201		23.4	24.1		98	99		23111	21021	

Table 9a.— Urbana, Increased Planting Rate, continued

BRAND AND VARIETY	TOTAL YIELD			GRAIN MOISTURE			ERECT PLANTS			PLANTS PER ACRE		
	BU./ACRE			PERCENT			PERCENT					
	1973	1972	1971	1973	1972	1971	1973	1972	1971	1973	1972	1971
MCALLISTER SX6837.....	170	170	139	20.7	25.7	26.4	96	88	98	21925	21653	24000
MCALLISTER SX7066.....	191	173	138	16.5	20.8	17.7	94	91	97	24000	21504	24000
MCALLISTER SX7176.....	179	173		22.1	25.1		98	96		21037	23668	
MCALLISTER SX7207.....	198			22.2			100			21481		
MCCURDY 72-25.....	181			21.1			91			23851		
MCCURDY 72-28.....	182			19.5			95			21925		
MCCURDY MSX84.....	210			19.1			100			24000		
MCCURDY MSY87.....	179			20.9			98			22666		
MCCURDY MSYAR.....	177			22.6			98			22222		
MCNAIR 73003.....	208			24.0			98			23851		
MCNAIR X170.....	204			19.9			98			23555		
MCNAIR X180.....	142			20.1			96			21333		
MCNAIR X190.....	173			23.1			100			22666		
MCNAIR X210.....	176			23.1			97			21481		
MCNAIR X214.....	166			21.3			100			22814		
MIGRO M-0501.....	182			16.7			97			23555		
MIGRO M-5040.....	144			18.9			97			21629		
MIGRO M-6646.....	184	172		19.2	23.4		96	97		22962	23060	
MIGRO M-6666.....	191	195		21.8	25.2		99	99		21629	22814	
MIGRO M-7072.....	182			21.3			95			22962		
MOEWS M7624.....	177			21.5			100			21629		
MOEWS M7734.....	163			22.2			94			21629		
MOEWS M7822.....	171	207		22.3	23.6		90	98		23111	22358	
MOEWS SM421.....	185			20.7			98			20000		
MOEWS SM432.....	172	170		19.7	26.2		94	94		22074	23606	
MOEWS SM622.....	185			24.0			94			23111		
MOEWS SM822.....	181	175		20.9	24.2		96	98		22074	23173	
MOEWS WM429.....	151			19.3			81			22962		
MOEWS WM438.....	165			21.1			95			21629		
MOEWS WM822.....	205			21.5			96			24000		
MUNCY-CHIEF H764.....	137	150		20.7	23.7		93	95		22222	22853	
MUNCY-CHIEF SX662.....	168	152	141	21.8	24.5	21.9	98	97	100	22962	23933	24000
MUNCY-CHIEF SX777.....	162	145	121	20.9	23.0	20.4	99	94	95	21777	21376	24000
MUNCY-CHIEF SX878.....	158	189	136	22.0	24.9	24.9	80	94	96	21333	23442	24000
0'S GOLD SX4500.....	143			20.7			100			18666		
0'S GOLD SX5500.....	191			21.7			100			22518		
0'S GOLD SX5500A.....	179			18.8			96			23851		
0-Y-0 220.....	200	159		17.1	20.4		98	94		24000	23181	
0-Y-0 442A.....	165			19.0			97			23407		
P.A.G. SX 93.....	168			22.3			97			22222		
P.A.G. SX 98*	191			21.9			100			22370		
PIONEER 3369A*	198			21.2			100			21185		
PIONEER 3571*	182			17.8			100			22222		
POCKLINGTON P-6341.....	204	196		20.7	23.4		100	99		21037	21914	
POCKLINGTON PX-6.....	184			21.6			97			23851		
PRAIRIE STREAM GOLDEN CROSS SX6A.....	178			21.0			100			22370		
PRINCETON SX630.....	185			21.5			98			23407		
PRINCETON SX650.....	164	169	122	18.9	22.4	21.4	94	97	96	21185	22311	24000
PRINCETON SX850.....	190	150		22.0	23.2		99	98		22074	22003	
RENK RK55.....	187	197		18.6	20.4		91	97		23851	23317	
RENK RK66.....	177	140		16.7	24.1		91	98		23407	22615	
SEAGULL SX 55.....	188			21.9			100			23851		
STURDY-GROW S/G 823.....	198			21.9			98			24000		
STURDY-GROW S/G 824.....	192			22.0			99			20000		
STURDY-GROW S/G 852.....	167	171		21.1	25.6		95	88		23407	23306	
SUPER-CROST 5440.....	195			18.7			100			21629		
SUPER-CROST 7772.....	168	172	136	22.3	24.4	22.9	98	97	95	21481	23306	24000
SUPER-CROST 8442.....	172	185		22.4	23.5		96	92		20888	23387	
SUPER-CROST 867.....	160			21.8			100			20740		
SUPER-CROST 879.....	160	167	154	20.2	22.9	24.4	95	98	91	23407	24027	24000
SUPER-CROST 885.....	183	159	143	22.6	24.7	26.2	100	97	98	22074	21586	24000
TODD 1876.....	184			21.4			96			22814		
TODD 1886.....	175			20.3			97			22370		
TODD M30.....	174	162		18.2	21.4		89	97		23259	23391	
TODD M55.....	155	165	119	18.7	19.1	20.2	96	94	90	23407	24085	23777

Table 9a. — Urbana, Increased Planting Rate, continued

BRAND AND VARIETY	TOTAL YIELD		GRAIN MOISTURE		ERECT PLANTS		PLANTS PER ACRE		
	BU./ACRE		PERCENT		PERCENT				
	1973	1972	1971	1973	1972	1971	1973	1972	1971
TRISLER T-333.....	190		22.4		98		23851		
TRISLER T-902.....	132		20.8		99		20740		
TRISLER T-919.....	160	143	89	20.2	25.1	22.5	93	93	100
TRISLER T-920.....	144			20.0			89		21925
TRISLER T-934*.....	172	151	122	21.9	26.2	24.7	100	89	98
TRISLER T-940.....	177	162	116	21.7	26.7	21.3	95	100	90
TRISLER T-2500.....	189			17.3			91		23703
TRISLER T-5500.....	198			21.2			98		22666
TRISLER T-7500.....	194			21.0			100		23703
TROJAN TXS 113.....	161			23.4			93		22074
TROJAN TXS 117.....	143	159		20.1	22.8		100	98	21925 25974
TROJAN TXS 119.....	188			24.2			100		22962
TROJAN TX 119A.....	176			20.7			98		22074
WHISNAND 80.....	204	200		21.6	24.7		100	98	23703 21461
WHISNAND 82.....	147	158		20.3	23.8		86	99	23111 23017
WHISNAND 875.....	177			20.2			98		24010
AVERAGE OF 1973 ENTRIES.....	175			21.8			97		22381
L. S. D.....	37			1.4			10		4800
C. V.....	11								

Table 9b. — East-Central Illinois: Urbana, High Lysine Trials (Opaque-2)
(Planted at 24,000 plants per acre in 30-inch rows)

Entry	Total acre yield	Grain moisture	Erect plants	Plants per acre	Protein	Grams lysine per 100 g. of protein
		bu.	perct.	perct.		
Bo-Jac HL345.....	123	17.8	98	22,875	12.5	3.68
Funk 24559.....	116	18.1	100	20,437	11.4	3.73
Gutwein HL26.....	116	16.6	100	13,968	12.4	3.62
Gutwein HL146.....	143	19.0	100	23,062	12.4	3.29
IFS 070-B013 o-2.....	122	19.1	100	16,968	12.4	3.52
IFS 070-B020 o-2.....	141	19.2	100	21,093	12.3	4.21
IFS 070-B045 o-2.....	156	20.0	100	18,281	11.8	3.51
IFS 071-B007 o-2.....	133	15.0	100	13,875	12.6	4.15
IFS 071-B014 o-2.....	151	22.0	100	15,468	11.9	3.48
IFS 072-B002 o-2.....	143	16.5	100	20,156	12.3	4.07
Lester Pfister 421 o-2.....	130	14.3	100	22,218	10.6	4.23
Lester Pfister 1032 o-2.....	149	17.9	100	22,218	10.6	4.02
Lewis X38L.....	130	18.4	98	19,593	12.1	3.52
Migro M-HL 653.....	149	18.7	99	21,000	11.0	3.61
WF9 x B37 Normal.....	168	19.0	100	22,968	10.6	2.66
WF9 x HRC103 Normal.....	152	20.0	100	21,093	11.8	2.63
Average of entries.....	139	18.2	100	19,705	11.8	3.62
L.S.D.....	18	1.2	1	2,200
C.V.....	8					

Table 10.—West South-Central Illinois: Greenfield (Planted at 20,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1973	1972	1971	1973	1972	1971	1973	1972	1971	1973	1972	1971
ACCO AR19775.....	89			21.8			97			19270		
ACCO EXP. 71-6901.....	77			22.0			100			18125		
ACCO UC 8801.....	81			19.6			96			18020		
ACCO UC 9701.....	82	145		22.4	22.0		98	94		19583	17713	
ASGROW RX99A.....	92			22.8			97			17916		
ASGROW RX100.....	107	177		23.0	22.3		98	93		19687	17713	
CARGILL 495.....	93			20.7			97			18333		
CARGILL 979.....	89			23.3			100			18750		
FUNKS 26174.....	95			23.3			95			16125		
FUNKS G-4445.....	101			18.5			97			17708		
FUNKS G-4567.....	72			19.4			98			17395		
FUNKS G-4628.....	90			22.9			96			19375		
FUNKS G-4646.....	82			21.6			98			18020		
FUNKS G-4648.....	86			22.1			96			19687		
FUNKS G-4737.....	110			22.8			100			18229		
FUNKS G-4757.....	86			22.5			96			18437		
FUNKS GHO 56P.....	66			21.2			97			18020		
FUNKS GHO 605.....	79			23.0			96			17916		
GUTWEIN 86.....	76			19.7			97			18541		
GUTWEIN 92.....	57			21.7			95			18541		
LEWIS XP28.....	93			20.5			100			18333		
MCDURDY MX85.....	84	158		19.1	19.6		98	88		18854	17713	
MIGRA M-6666.....	81			21.7			97			17604		
MIGRA M-7072.....	94			19.7			96			17708		
MOEWS M7734.....	78			21.3			95			17500		
MOEWS M7822.....	84			23.0			96			17916		
MOEWS SM421.....	86			19.7			93			18020		
MOEWS SM422.....	96	133		18.7	20.2		98	98		17500	17811	
MOEWS SM622.....	93			24.0			95			18645		
MOEWS SM822.....	96	145		19.3	20.9		98	100		16333	17713	
MOEWS WY429.....	96			20.5			96			16770		
MOEWS WY520.....	74			21.6			94			18125		
MOEWS WY822.....	106			20.1			95			17395		
MORTON 5700.....	90			20.8			96			16041		
MORTON 5700.....	90			23.2			98			17291		
P.A.G. SX 9P.....	86			24.1			93			17291		
P.A.G. SX 520.....	67			19.4			100			17783		
POCKLINGTON P-7661.....	80			22.1			97			17395		
STULL 7203Y.....	96			20.9			99			19375		
STULL 8C9SF.....	93			22.4			96			18437		
STULL 8775X.....	74			23.7			98			17812		
STULL EXP. 8233.....	84			21.2			98			19210		
TRISLER T-333.....	84			22.9			97			19375		
TRISLER T-920.....	76			18.0			98			17604		
TRISLER T-934.....	77	148		23.7	21.9		98	81		17500	17811	
TRISLER T-940.....	92	143		21.4	21.8		98	97		17395	17713	
TRISLER T-5500.....	81			21.0			97			19062		
TRISLER T-7500.....	97			23.0			96			18437		
TROJAN TX 117.....	100			20.9			96			17187		
TROJAN TXS 119.....	112			22.8			100			16645		
TROJAN TX 119A.....	82			21.7			97			18437		
TROJAN TXS 124.....	80			20.3			97			18854		
AVERAGE OF 1973 ENTRIES.....	87			21.5			97			18160		
L. S. D.	32			1.5			N.S.			N.S.		
R. V.	18											

Table 10a. West South-Central Illinois: Greenfield, Increased Planting Rate
(Planted at 24,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1973	1972	1971	1973	1972	1971	1973	1972	1971	1973	1972	1971
ACCO AR19775.....	109			21.2			89			21684		
ACCO U 392.....	106			23.9			93			22210		
ACCO UC 6601.....	115			17.7			96			22210		
ACCO UC 8801.....	98	145		19.3	21.0		90	85		20210	23366	
ACCO UC 9101.....	101	141		20.6	20.4		86	94		22526	22450	
BO-JAC EXP. 7AL.....	104			22.0			95			22736		
BO-JAC EXP. 9199.....	137			24.9			94			23475		
BO-JAC X7L.....	131	154	125	21.5	22.4	23.6	93	94	87	21894	23914	24000
COOP S-518.....	107			23.1			93			20947		
DEKALB XL 64*.....	99			20.6			91			22315		

Table 10a.— Greenfield, Increased Planting Rate, continued

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MATURITY PERCENT			ERFCT PLANTS PERCENT			PLANTS PER ACRE		
	1973	1972	1971	1973	1972	1971	1973	1972	1971	1973	1972	1971
DEKALB XL 66*	128			19.6			94			25263		
DEKALB XL 72A*	123			22.0			91			22219		
DEKALB XL 77*	89			21.1			94			21578		
F.S. 860*	126			23.1			93			18947		
FUNKS 26174	116			23.4			93			24000		
FUNKS G-4445	116			17.8			95			21894		
FUNKS G-4567	102			18.7			86			21473		
FUNKS G-4628	116			22.5			94			21263		
FUNKS G-4646*	113			20.8			93			21157		
FUNKS G-4648	115			20.9			93			21368		
FUNKS G-4737	136			22.4			96			20842		
FUNKS G-4757	105			20.7			90			22736		
FUNKS GHO 562	94			20.1			94			21894		
FUNKS GHO 605	118			21.2			96			22526		
GUTWEIN 65	123			20.5			93			22631		
GUTWEIN 88	127			21.9			96			21789		
LESTER-PFISTER 14	77	102		18.1	18.4		90	81		21157	22230	
LESTER-PFISTER 27	109	110		16.4	18.0		95	96		20105	23541	
LESTER-PFISTER 57	131			20.5			95			22315		
LESTER-PFISTER 61	112			20.2			93			20631		
LESTER-PFISTER 64	112			20.0			95			22105		
LESTER-PFISTER 74	112			20.9			91			19894		
LESTER-PFISTER 76	112			22.9			95			20842		
LEWIS Y628	124			19.7			95			21789		
LEWIS Y788	114	182		22.6	22.3		92	95		20421	23214	
MCCURDY MSX87	102			20.9			95			20842		
MCCURDY MSX88	120	166	124	23.6	21.9	22.6	91	97	81	23263	23138	23111
MCNAIR 73003	131			24.6			94			21157		
MCNAIR X170	116			20.4			95			22315		
MCNAIR X180	117			20.1			93			21157		
MCNAIR X190	98			23.0			93			22947		
MCNAIR X210	108			21.6			93			22526		
MCNAIR X214	107			18.5			90			21684		
MIGRO M-6666	115			20.8			95			23578		
MIGRO M-7072	126			20.0			96			23052		
MOEWS SM421	127			18.1			95			23157		
MOEWS SM422	138	153		18.7	20.0		95	95		22736	23682	
MOEWS SM622	128			22.7			96			22315		
MOEWS SM822	116	156		19.5	20.9		94	90		21578	23791	
MOEWS WM429	98			18.0			94			22526		
MOEWS WM520	111			21.3			92			22631		
MOEWS WM822	91			20.9			92			20000		
MORTON 4901	118	170		21.8	20.5		95	87		22315	23624	
MUNCY-CHIEF SX662	100			21.8			95			23578		
MUNCY-CHIEF SX777	96			19.6			93			21894		
O'S GOLD SX4500	100			20.1			95			21578		
O'S GOLD SX5200	115			19.9			97			23684		
O'S GOLD SX5500	131			20.8			95			22105		
P.A.G. SX 98*	125			23.0			93			22842		
PIONEER 3334*	116			18.6			96			22421		
PIONEER 3369A*	113	96		18.7		20.7	89	68		22105		21111
POCKLINGTON P-6441	127	160		23.6	22.2		96	92		22631	22035	
POCKLINGTON PX-7	120			21.4			94			22526		
POCKLINGTON PY-8	107			21.5			96			21578		
STULL 707SX	115			21.6			93			23368		
STULL EXP. 8092	125			18.2			94			22315		
SUPER-CROST 7772	100	149	84	18.7	20.4	20.2	96	92	74	22736	23368	23111
SUPER-CROST 8442A	100			19.2			94			23052		
SUPER-CROST 567	123			20.5			98			22210		
SUPER-CROST 579	102	143	119	17.8	20.2	20.9	94	95	77	20736	23190	22222
SUPER-CROST 885	133	178	122	25.5	21.8	24.0	94	93	81	20842	23201	23777
TROJAN TXS 113	124	138		19.6	21.7		94	98		23368	22953	
TROJAN TX 117	114			21.2			95			21052		
TROJAN TXS 117	97	166		18.7	20.7		96	93		22210	23795	
TROJAN TXS 119	123			22.6			97			21578		
TROJAN TX 119A	122			20.9			94			19578		
TROJAN TXS 124	104			19.4			95			21473		
VAN HORN CAP 272*	110	150		20.1	20.8		96	100		21263	23709	
AVERAGE OF 1973 ENTRIES	113			20.7			94			21901		
L. S. D.	52			1.7			5			2700		
C. V.	17											

Table 11.—Southern Illinois: Brownstown (Planted at 18,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1973	1972	1971	1973	1972	1971	1973	1972	1971	1973	1972	1971
ACCURATE AR 63016.....	94			17.5			100			18000		
ACCURATE AR 19775.....	105			17.0			100			17640		
ACCURATE AR 19793.....	97			21.1			98			17640		
ACCURATE EXP. 71-6901.....	100			18.8			97			17760		
ACCURATE U 392.....	97	134		18.8	18.5		94	70		17160	17025	
ACCURATE UC 8801.....	115			17.4			100			17280		
ACCURATE UC 9701.....	103	132		17.7	18.7		99	63		18000	18065	
BIG-JAC EXP. 4146.....	102			16.7			100			17520		
BIG-JAC EXP. 6229.....	104			16.5			97			16560		
BIG-JAC EXP. 7391.....	102			18.7			97			16680		
BIG-JAC EXP. 9722.....	94			24.8			98			17520		
BIG-JAC X7L.....	102			19.5			100			17880		
BIG-JAC X83.....	99	110	131	18.1	19.4	18.2	100	39	61	17520	15711	17777
BIG-JAC X91.....	121	145		22.0	19.1		95	93		17520	17901	
FUNKS 26174.....	115			18.7			98			17760		
FUNKS 26207.....	117			18.6			98			16080		
FUNKS G-4567.....	103			15.5			99			15720		
FUNKS G-4628.....	112			18.8			100			15240		
FUNKS G-4646.....	119			17.0			98			16440		
FUNKS G-4648.....	113			19.0			99			17160		
FUNKS G-4737.....	108			19.2			96			17160		
FUNKS G-4757.....	107			17.7			97			17640		
FUNKS GHO 562.....	116			17.6			100			17400		
FUNKS GHO 605.....	97			18.6			97			17640		
GOLDEN MSX302.....	107			17.3			98			17040		
GUTWEIN 86.....	100			16.6			95			16800		
GUTWEIN 92.....	112			19.7			100			17760		
HORLIT XR447A.....	127	153		15.7	18.9		97	99		17040	17874	
HORLIT XR44RA.....	140	137		18.6	18.6		98	85		15120	17623	
MCCURDY MSXAK.....	98	137	126	19.9	17.7	18.6	98	92	85	17400	16120	18000
MIGRA M-7072.....	118			17.6			95			17880		
MOEWS SM421.....	100			16.9			99			17640		
MOEWS SM422.....	107			19.9			97			16200		
MOEWS SM721.....	99	145	104	19.6	19.4	19.4	98	86	61	17280	17947	17777
MOEWS SM822.....	114	124		16.1	19.0		98	80		18000	17181	
MOEWS WM429.....	108			15.7			99			17760		
MOEWS WM520.....	106			19.1			95			17160		
MOEWS WM422.....	99			17.6			100			17520		
ROCKLINGTON P-780.....	105			17.3			99			16800		
ROCKLINGTON P-880.....	107			18.5			98			17400		
ROCKLINGTON P-7661.....	114			19.8			97			15840		
PRINCETON SX630.....	99			17.8			96			16440		
PRINCETON SX823.....	118	153	101	17.3	18.5	17.0	97	.91	96	17880	17854	17555
PRINCETON SX850.....	110	144		16.9	18.1		99	.76		15720	18171	
STULL 809ASP.....	100			16.9			98			16920		
STULL 877SX.....	112			21.9			96			16320		
TAYLOR-EVANS HTMASTER.....	104			19.1			100			17760		
TAYLOR-EVANS E-20-YA.....	112	118		19.5	18.3		99	76		17400	17993	
TAYLOR-EVANS SILAGEMASTER.....	102	120		19.0	19.1		100	80		17760	16482	
TROJAN TXS 111.....	108	131		13.7	18.1		98	71		18000	17595	
TROJAN TX 113.....	98	149		17.6	20.2		98	77		18000	17782	
TROJAN TXS 113.....	91	126		18.5	19.0		98	86		17400	18019	
TROJAN TX 117.....	103			18.1			97			17160		
TROJAN TXS 117.....	107	133		16.2	18.1		97	69		16920	16000	
TROJAN TXS 119.....	116			19.8			98			16000		
TROJAN TX 119A.....	99			17.8			100			17760		
TROJAN TXS 124.....	98			17.6			97			16560		
AVERAGE OF 1973 ENTRIES.....	105			18.1			98			17141		
L. S. D.....	24			1.5			5			2500		
C. V.....	13											

Table 11a.— Southern Illinois: Brownstown, Increased Planting Rate
(Planted at 22,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1973	1972	1971	1973	1972	1971	1973	1972	1971	1973	1972	1971
ACCO EXP. 71-6901.....	111			19.2			98			21771		
ACCO U 392.....	114	166		19.7	17.9		99	75		20566	20625	
ACCO UC 6601.....	111			16.9			99			21698		
ACCO UC 9301.....	138			19.5			99			21539		
ASGROW RX100.....	131	159	60	19.6	19.3	17.4	97	74	56	20374	21592	21352
ASGROW RX115.....	106	147		19.2	18.4		96	74		21358	20857	
BO-JAC EXP. 9722.....	107			24.9			98			21005		
BO-JAC X1A.....	101	141		15.8	17.8		98	70		21104	21788	
BO-JAC X7L.....	128	148	97	19.7	18.7	17.6	99	71	92	19990	20154	20705
BO-JAC X62.....	111	180		17.5	19.6		99	66		21813	19795	
BO-JAC X83.....	127			18.4			97			20697		
BO-JAC X91.....	128	126		21.2	18.9		98	84		21694	21928	
DEKALB XL 66*.....	115			18.2			99			20286		
DEKALB XL 72A*.....	108			19.4			99			20659		
DEKALB XL 81*.....	116			20.3			99			21533		
F.S. 860*.....	102			21.4			99			21937		
F.S. 884*.....	101			20.6			98			20885		
FUNKS 26174.....	108			19.4			99			21676		
FUNKS 26207.....	107			18.5			98			21298		
FUNKS G-4567.....	120			16.1			95			21903		
FUNKS G-4628.....	117			20.0			99			21366		
FUNKS G-4646*.....	104			17.7			98			21921		
FUNKS G-4648.....	108			18.4			98			21820		
FUNKS G-4737.....	122			19.9			99			20332		
FUNKS G-4757*.....	97			18.6			98			21373		
FUNKS GHO 562.....	103			17.8			99			21329		
FUNKS GHO 605.....	111			19.8			99			21640		
GOLDEN SY304.....	121			21.4			99			21489		
LESTER-PFISTER 27.....	109	146		15.6	16.9		97	87		20758	21189	
LESTER-PFISTER 57.....	106			19.0			97			20373		
LESTER-PFISTER 61.....	120			19.9			98			21368		
LESTER-PFISTER 64.....	118			19.1			98			20323		
LESTER-PFISTER 74.....	103			18.5			99			21154		
LESTER-PFISTER 76.....	108			20.9			99			21732		
MCCURDY MSX88.....	115	148	100	19.0	19.4	18.0	99	94	94	20830	17358	22000
MCNAIR 225.....	109			18.6			96			22057		
MCNAIR 73002.....	128			19.1			99			21058		
MCNAIR S184.....	108			18.2			98			21592		
MCNAIR S338.....	103			20.8			97			21492		
MCNAIR X170.....	123			19.9			99			21971		
MCNAIR X180.....	103			17.3			98			21201		
MCNAIR X190.....	120			19.4			99			20820		
MCNAIR X210.....	111			20.3			97			21022		
MCNAIR X214.....	119			18.5			100			22000		
MCNAIR X233.....	107			21.3			96			18601		
MCNAIR X300.....	109			20.8			98			21353		
MIGRO M-6666.....	117	162		18.1	19.8		98	87		20964	21269	
MIGRO M-7072.....	116	117		18.1	18.4		98	86		20956	20414	
MOEWS SM421.....	112			17.1			99			21595		
MOEWS SM622.....	119			20.7			95			21074		
MOEWS SM822.....	123	140		18.0	17.9		98	83		20640	19639	
MOEWS WM429.....	118			15.6			99			20509		
MOEWS WM520.....	114			18.8			96			21140		
MOEWS WM822.....	107			18.6			100			21295		
0'S GOLD SX3344.....	95			18.7			98			20435		
0'S GOLD SX4500.....	105			15.9			99			20354		
0'S GOLD SX5500.....	121			19.7			99			20758		
P.A.G. SX 98*.....	123			19.4			99			21071		
PIONEER 3334*.....	111			18.4			97			21737		
PIONEER 3369A*.....	122			18.4			98			21834		
PICKLINGTON PX-R.....	97			19.0			100			21539		
PRINCETON SX630.....	103			18.8			98			20583		
PRINCETON SX823.....	113	142		18.8	17.7		99	95		21559	21972	
PRINCETON SY850.....	119			18.4			98			21712		
SUPER-CROST 7772.....	112	142		17.1	17.6		99	83		21615	20841	

Table 11a. — Brownstown, Increased Planting Rate, continued

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1973	1972	1971	1973	1972	1971	1973	1972	1971	1973	1972	1971
SUPER-CROST R282.....	120			22.9			98			20539		
SUPER-CROST 8442A.....	113			19.2			99			21219		
SUPER-CROST 867.....	119			17.9			99			21211		
SUPER-CROST 579.....	122			16.8			97			21120		
TAYLOR-EVANS 6935.....	107			17.8			99			22293		
TAYLOR-EVANS CASHMAKER.....	112			17.7			99			20837		
TAYLOR-EVANS MASTERMAKER.....	120			20.1			98			19562		
TRØJAN TX 113.....	105	136		18.8	19.0		93	90		20417	21864	
TRØJAN TXS 113.....	111	140	97	17.6	17.9	16.7	99	94	78	21312	21849	20921
TRØJAN TX 117.....	120			18.9			98			21318		
TRØJAN TXS 119.....	120	137	94	19.3	18.6	18.0	97	77	94	22029	22197	21137
TRØJAN TX 119A.....	117			17.0			98			21129		
TRØJAN TXS 124.....	119			17.7			96			20864		
WHISNAND 80.....	124	157		20.1	18.0		98	74		20309	21975	
WHISNAND 82.....	113	118		15.8	18.5		98	62		21256	21476	
WHISNAND 875.....	121			16.5			98			21664		
AVERAGE OF 1973 ENTRIES.....	114			18.9			99			21151		
L. S. D.....	28			1.5			N.S.			N.S.		
C. V.....	12											

Table 12. — Extreme Southern Illinois Upland: Carbondale (Planted at 18,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1973	1972	1971	1973	1972	1971	1973	1972	1971	1973	1972	1971
ACCO AR03016.....	49	157		26.1	17.6		100	100		16403	14846	
ACCO AR19775.....	19			22.1			99			17350		
ACCO AR19792.....	31			25.5			100			17545		
ACCO EXP. 71-6901.....	18			24.7			99			17688		
ACCO UC 9701.....	21	148		25.4	16.8		99	90		14693	15280	
BO-JAC EXP. 9199.....	37			25.3			100			16702		
BO-JAC XP3.....	47			23.8			98			16554		
COKER, S 16.....	36			24.9			99			17196		
FUNKS 25262.....	29			23.1			100			15419		
FUNKS 25483.....	26			26.1			98			17317		
FUNKS 26174.....	31			26.1			98			17304		
FUNKS 26205.....	34			28.0			99			15924		
FUNKS G-4628.....	32			25.0			99			16746		
FUNKS G-4646.....	27			24.7			100			17340		
FUNKS G-4648.....	46			23.8			99			16232		
FUNKS G-4737.....	39			25.0			100			16579		
FUNKS G-4757.....	34			24.5			100			17680		
FUNKS G-4808.....	23			26.3			97			16370		
GOLDEN MSX302.....	46			27.7			99			17125		
MCCURDY MSX85.....	30			24.8			98			17164		
MOEWS M7622.....	37	153		24.5	17.8		100	91		16867	16806	
MOEWS M7822.....	27	126		24.6	17.0		100	95		14552	14734	
MOEWS SM622.....	50			24.2			100			16400		
MOEWS SM822.....	23	166		24.0	18.1		97	95		17417	15072	
MOEWS WM822.....	28			24.4			99			16913		
PRINCETON R65.....	19			22.6			100			17374		
PRINCETON SX630.....	35			23.9			95			17344		
PRINCETON SX805.....	45			24.7			99			17146		
PRINCETON SX850.....	30	139	140	23.2	17.0	21.0	97	87	98	17427	17871	18000
STULL 720SX.....	21	86	142	24.3	17.1	22.6	99	74	98	17266	16072	18000
STULL 8D9SX.....	37	146		25.1	17.8		100	95		16960	14760	
STULL 909ASP.....	28			24.6			98			16170		
STULL 877SX.....	29			25.6			98			16053		
TAYLOR-EVANS BTNMASTER.....	31			24.4			99			17108		
TAYLOR-EVANS E-20-YA.....	31	110		24.7	17.0		98	94		16689	13056	
TRØJAN TXS 111.....	19	160		20.8	16.9		100	92		16727	17001	
TRØJAN TX 117.....	51			24.7			100			16718		
TRØJAN TXS 119.....	42			23.6			100			17082		
TRØJAN TX 119A.....	15			22.8			99			17011		
TRØJAN TXS 124.....	23			24.7			99			16999		
WHISNAND 80.....	17	123		26.0	17.4		100	99		17364	11840	
WHISNAND 82.....	26	178		21.7	17.3		96	97		17604	14671	
WHISNAND 875.....	19			23.2			98			17780		
AVERAGE OF 1973 ENTRIES.....	31			24.3			99			16873		
L. S. D.....	17			1.8			N.S.			2400		
C. V.....	35											

Table 12a.— Extreme Southern Illinois Upland: Carbondale, Increased Planting Rate
(Planted at 22,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRATH MOISTURE PERCENT			ERFCT PLANTS PERCENT			PLANTS PER ACRE		
	1973	1972	1971	1973	1972	1971	1973	1972	1971	1973	1972	1971
ACC0 AR19775.....	35			25.6			99			21766		
ACC0 U 392.....	34			24.6			98			20050		
B0-JAC X91.....	68	138		25.2	17.4		100	93		21009	19222	
COKER,S 16.....	63			24.0			97			20878		
DEKALB XL 66*.....	56			22.1			99			21282		
DEKALB XL 372*.....	47			23.5			99			20532		
F,S, 860*.....	63			26.2			99			21532		
FUNKS 25262.....	52			25.7			98			21270		
FUNKS 25683.....	45			25.5			98			22133		
FUNKS 26174.....	58			22.7			98			21604		
FUNKS 26205.....	44			26.3			99			21075		
FUNKS 26207.....	45			24.3			98			20988		
FUNKS G-4628.....	49			26.2			98			20856		
FUNKS G-4646*.....	44			24.8			98			20879		
FUNKS G-4648.....	56			22.1			98			20955		
FUNKS G-4737.....	59			24.0			98			20952		
FUNKS G-4757*.....	65			25.6			99			21666		
GOLDEN SX304.....	63			27.3			99			18982		
HOLDEN 1009.....	71	161	128	25.7	17.1	23.7	98	90	97	20874	20414	21514
LESTER-PFISTER 74.....	30			24.2			98			21415		
LESTER-PFISTER 76.....	44			25.2			98			21022		
MCNAIR 225.....	35			25.6			98			21185		
MCNAIR 73002.....	29			25.5			98			21421		
MCNAIR S184.....	29			23.3			98			20970		
MCNAIR S338.....	38			25.2			98			20706		
MCNAIR X170.....	46			23.7			98			21292		
MCNAIR X180.....	31			23.4			99			20937		
MCNAIR X190.....	43			28.1			100			20451		
MCNAIR X210.....	55			25.8			99			21086		
MCNAIR X214.....	35			24.5			98			21163		
MCNAIR X233.....	72			28.0			99			19014		
MCNAIR X300.....	54			26.2			99			21609		
MOEWS M7372.....	48	137	116	21.8	18.0	20.2	98	91	86	21716	22119	22000
MOEWS M7622.....	45			24.4			98			20879		
MOEWS M7822.....	33	105		24.4	16.5		99	91		19530	16193	
MOEWS SM622.....	53			24.8			98			20299		
MOEWS SM822.....	38	197		23.9	16.4		99	94		21066	19624	
MOEWS WM822.....	44			24.4			98			21041		
P,S GOLD SX9900.....	49			25.1			98			20413		
P,A,G, SX 39*.....	30			25.2			98			21871		
P,A,G, SX 98*.....	46			24.8			98			21749		
P,A,G, SX 520*.....	35			24.1			98			21688		
PIIONEER 3334*.....	35			24.5			98			21552		
PIIONEER 3369A*.....	60			23.6			98			21570		
PRINCETON SX630.....	41			24.8			97			21465		
PRINCETON SX805.....	58			26.0			99			18821		
PRINCETON SX836.....	39	156		24.6	17.8		99	93		21629	19163	
PRINCETON SX850.....	61	103	106	24.2	17.7	21.1	98	91	93	20993	15102	21838
STULL 707SX.....	40			25.0			99			18417		
STULL EXP, R09*.....	38			24.8			99			20740		
TAYLOR-EVANS 6935.....	33			25.3			97			21607		
TAYLOR-EVANS MASTERMAKER.....	72			25.2			99			21078		
TROJAN TXS 113.....	51	151		24.5	17.1		98	91		21159	20763	
TROJAN TX 117.....	57			22.8			99			22063		
TROJAN TXS 117.....	40	135		24.0	16.8		98	92		21549	20211	
TROJAN TXS 119.....	50			24.3			100			20400		
TROJAN TX 119A.....	39			23.8			99			20593		
TROJAN TXS 124.....	40			24.9			100			21629		
AVERAGE OF 1973 ENTRIES.....	47			24.6			99			20977		
L, S, D.....	34			1.5			4.5*			3000		
C, V.....	36											

Table 13.— Extreme Southern Illinois Bottomland: Dixon Springs
(Planted at 20,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1973	1972	1971	1973	1972	1971	1973	1972	1971	1973	1972	1971
ACC0 AR03016.....	89	180		31.9	18.6		77	82		19393	17856	
ACC0 AR19775.....	107			31.0			93			20000		
ACC0 AR19792.....	88			35.2			47			20000		
ACC0 AR19793.....	98			33.4			84			20000		
ACC0 UC 9701.....	99	169		28.2	23.0		87	47		20000	17771	
B0-JAC EXP. 9722.....	106			35.2			81			19848		
B0-JAC X83.....	137			30.4			93			20000		
B0-JAC X91.....	96			31.5			96			20000		
FUNKS 25262.....	118			34.9			83			19696		
FUNKS 26174.....	136			30.4			96			19242		
FUNKS 26205.....	106			35.8			90			18939		
FUNKS 26207.....	124			28.4			85			19545		
FUNKS G-4628.....	107			26.9			96			19545		
FUNKS G-4646.....	84			31.2			88			19696		
FUNKS G-4648.....	87			26.4			90			19242		
FUNKS G-4737.....	122			33.9			90			20000		
FUNKS G-4757.....	109			30.7			93			19848		
FUNKS G-4808.....	62			36.6			58			18636		
GOLDEN MSX302.....	136	175		28.0	18.2		92	88		19090	17545	
MCCURDY MSX85.....	116			25.5			90			20000		
MOEWS SM622.....	128			31.9			92			19696		
MOEWS SM821W.....	85	156		32.9	21.3		65	63		20000	17913	
MOEWS SMA22.....	126	176		29.2	20.5		81	77		20000	17774	
MOEWS SX101NW.....	70	186		37.5	18.8		71	90		20000	17336	
MOEWS SX303NW.....	111	152		34.5	18.0		95	74		18333	17277	
MOEWS WMA22.....	108			27.0			86			18939		
PICKLINGTON P-7561.....	94			30.2			79			16363		
PRINCETON 865.....	98			23.6			86			20000		
PRINCETON 990-A.....	113			28.2			66			19848		
PRINCETON SP935.....	93			32.7			93			20000		
PRINCETON SX630.....	128			27.6			87			19393		
PRINCETON SX836.....	91	161	162	26.8	18.5	31.9	92	86	100	18333	17792	17777
PRINCETON SX850.....	98	146	138	29.4	20.1	30.6	91	90	93	19696	17926	17333
PRINCETON SX910.....	146			33.3			92			17878		
STULL 555W.....	109	148	137	30.0	21.1	36.0	86	59	89	20000	17489	17777
STULL 560-SP.....	116	149	116	30.1	20.3	35.4	83	52	95	20000	17558	18000
STULL 720SX.....	76	134	142	29.8	20.9	31.6	95	83	93	20000	17762	18000
STULL 809SX.....	107	132	122	28.2	19.6	31.4	81	92	90	19696	17411	17555
STULL 850WSX.....	77	148	121	29.0	20.3	35.7	59	76	91	20000	18022	18000
STULL 877SX.....	91	152	131	29.2	20.5	33.0	84	79	97	20000	17264	18000
STULL EXP. 8233.....	98			31.2			88			19242		
TAYLOR-EVANS BTMASTER.....	104			31.2			89			20000		
TAYLOR-EVANS E-20-YA.....	104	127		31.2	21.7		80	84		17575	18092	
TAYLOR-EVANS SILAGEMASTER.....	91	122		29.5	21.9		97	78		18636	16745	
AVERAGE OF 1973 ENTRIES.....	107			30.5			86			19453		
L. S. D.	13			2.0			8			1900		
C. V.	9											

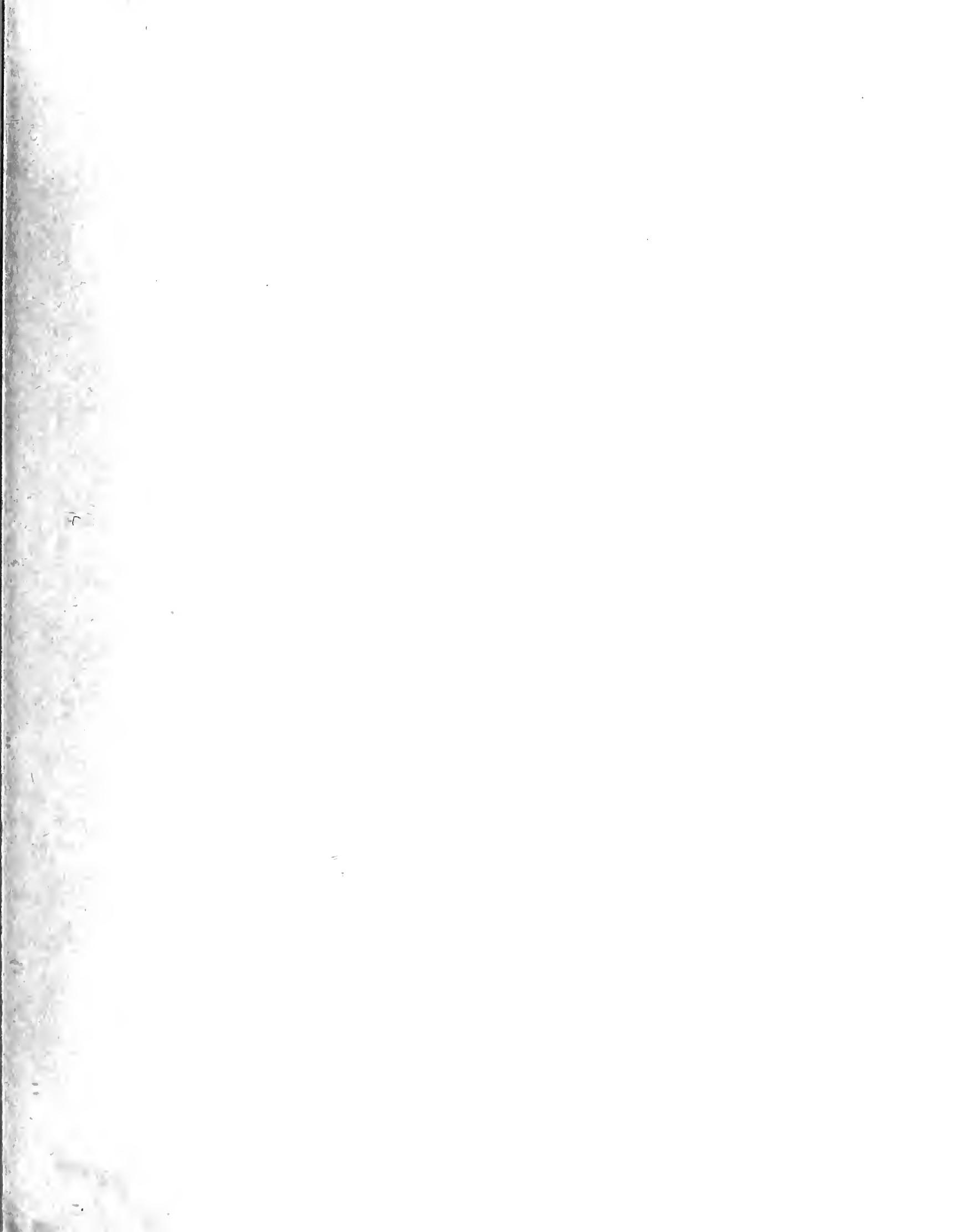
Table 13a.— Extreme Southern Illinois Bottomland: Dixon Springs, Increased Planting Rate
(Planted at 24,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1973	1972	1971	1973	1972	1971	1973	1972	1971	1973	1972	1971
ACC0 AR19775.....	113			31.5			81			23555		
ACC0 AR19792.....	137			32.0			58			24000		
ACC0 AR19793.....	97			30.1			70			22666		
ACC0 U 392.....	85			25.7			76			23555		
ASGRW RX100.....	130			31.6			91			21185		
ASGRW RX115.....	96			28.0			28			22518		
B0-JAC EXP. 9722.....	100			34.0			90			24000		
B0-JAC X83.....	134			29.3			66			22962		
B0-JAC X91.....	104			27.1			92			22666		
DEKALB XL 64*.....	115			25.5			84			22962		

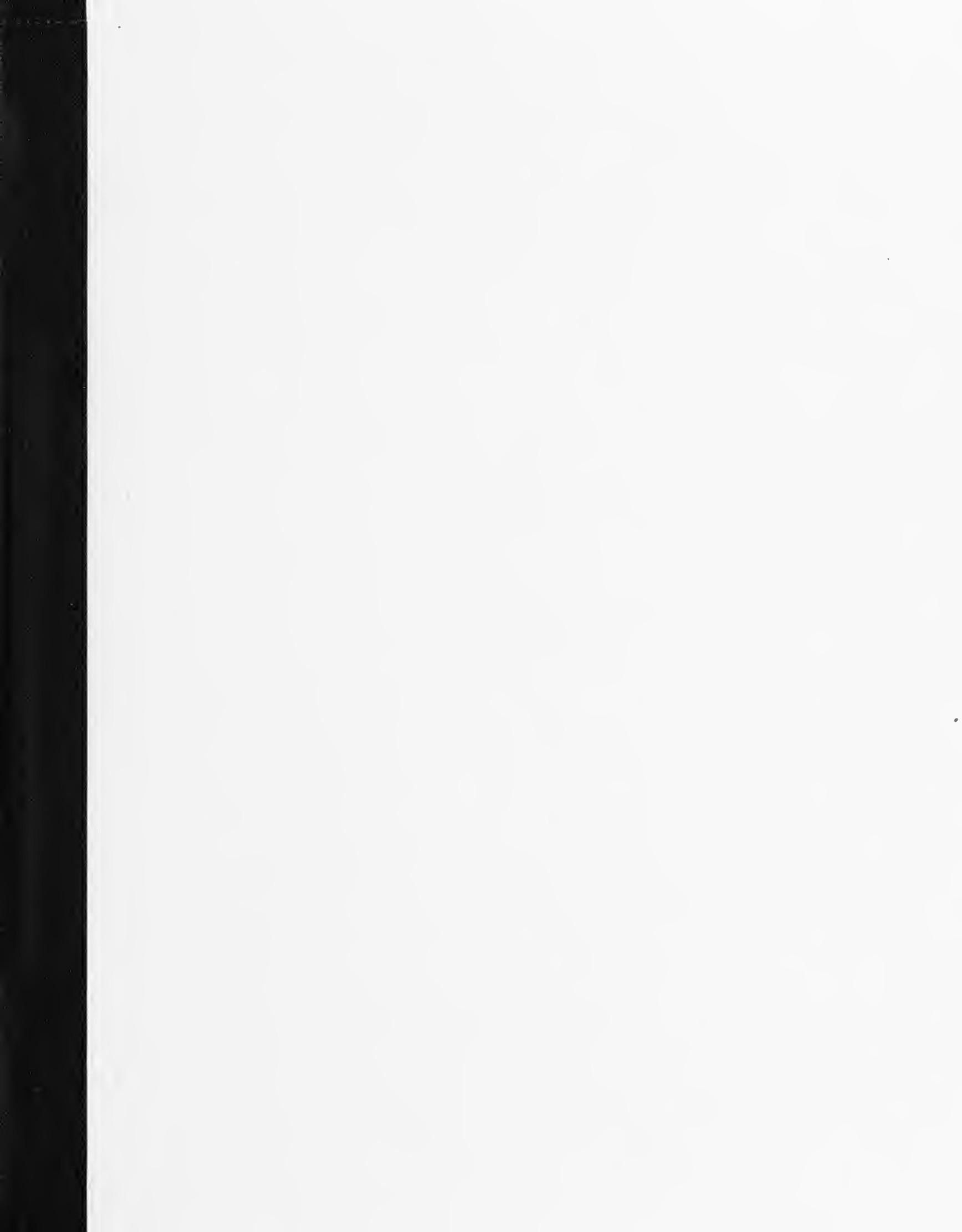
Table 13a.— Dixon Springs, Increased Planting Rate, continued

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			EFFECT PLANTS PERCENT			PLANTS PER ACRE		
	1973	1972	1971	1973	1972	1971	1973	1972	1971	1973	1972	1971
DEKALB XL 72A*	109			27.7			89			23407		
DEKALB XL 81*	104			29.8			85			22370		
FUNKS 25262	108			34.0			79			23555		
FUNKS 25683	84			32.6			48			22370		
FUNKS 26174	122			29.5			79			22518		
FUNKS 26205	98			32.9			74			24000		
FUNKS 26207	125			29.0			92			22518		
FUNKS G-4628	103			27.0			88			23703		
FUNKS G-4646*	112			30.2			85			21629		
FUNKS G-4648	111			28.8			87			21629		
FUNKS G-4737	92			31.3			85			23851		
FUNKS G-4757*	115			32.4			89			22074		
GOLDEN SX304	95			31.4			86			20444		
HOLDEN H 102A	103			35.2			73			20888		
HOLDEN H 102T	102			28.5			54			22518		
KAMPS 913-3	109			29.6			72			23851		
KAMPS 915K	118			31.6			75			24000		
KAMPS 916	111			29.1			79			22370		
LESTER-PFISTER 74	101			25.6			88			23555		
LESTER-PFISTER 76	106			31.0			87			24010		
MCNATH 225	92			31.4			73			23407		
MCNATH 7300P	102			32.3			56			22518		
MCNATH S184	98	150		27.7	18.0		89	79		24000	22980	
MCNATH S338	117			31.4			85			21185		
MCNATH X170	122			25.9			94			21481		
MCNATH X180	70	150		24.5	21.4		78	28		22518	22454	
MCNATH X190	122	149		28.3	21.5		95	44		21037	23909	
MCNATH X210	109	163		32.0	18.3		89	89		20444	23463	
MCNATH X214	126			29.5			66			24000		
MCNATH X233	104			33.1			64			22518		
MCNATH X370	119			32.0			89			21481		
MOEWS SM622	118			30.5			64			20296		
MOEWS SMA22	109	144		27.5	17.5		81	84		20148	23059	
MOEWS WM822	102			26.3			85			21629		
MUNCY-CHIEF 3X-L898	108			28.1			81			16592		
MUNCY-CHIEF SX662	112			27.6			93			22518		
MUNCY-CHIEF SX777	114			27.3			85			23851		
MUNCY-CHIEF SX-A68	103			28.3			85			22074		
P.A.G. SY 83*	106			24.8			83			22518		
P.A.G. SY 98*	108			27.6			89			22666		
PIIONFER 3334*	105			26.4			82			23407		
PIIONFER 3369A*	124			27.9			95			22370		
PUCKLINGTON P-7661	121	190		31.8	19.7		75	72		20296	22258	
PRINCETON 990-A	91			27.6			76			23407		
PRINCETON SP935	94			32.7			86			23111		
PRINCETON SX630	115			26.3			96			21333		
PRINCETON SX805	109			29.2			89			22666		
PRINCETON SX850	104	156	187	28.7	19.5	28.6	94	56	100	22074	23698	23555
PRINCETON SX910	136			34.8			92			15111		
STURDY-GROW S/G 824	130			32.2			90			20592		
STURDY-GROW S/G 852	92	142		27.5	20.9		35	63		23851	23290	
STURDY-GROW S/G 904W	113			32.3			72			20444		
STULL 707SX	123			31.6			89			22962		
STULL EXP. 8092	118			28.6			86			22962		
SUPER-CROST 7772	107	140	162	27.8	19.7	31.5	86	69	100	22666	23935	24000
SUPER-CROST 8282	102			30.8			73			23407		
SUPER-CROST 8442	108	147		32.6	19.6		83	41		22222	23715	
SUPER-CROST 879	104	158	155	26.2	19.0	31.3	84	54	94	23407	22110	24000
TAYLOR-EVANS 6935	96			27.7			91			23851		
TAYLOR-EVANS MASTERMAKER	116			31.0			88			23703		
AVERAGE OF 1973 ENTRIES	109			29.5			81			22353		
L. S. D.	30			2.9			26			3700		
C. V.	17											

10M—12.73—26844







UNIVERSITY OF ILLINOIS-URBANA



3 0112 085796321

THE UNIVERSITY LIBRARIES
ILLINOIS SPRINGFIELD
12
1000 E. SPRINGFIELD AVE.